

TOWN OF  
READING  
MASSACHUSETTS

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THE ANNUAL  
REPORT

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For the Financial Year  
Ended December 31st

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1928





**TOWN OF READING**

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**ANNUAL REPORT**

—FOR THE—

**FINANCIAL YEAR ENDED DECEMBER 31**

**1928**

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*The Chronicle Press  
Reading, Mass.*



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## TOWN OFFICERS 1928-1929

Elected and Appointed

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### Board of Selectmen

ELIAS B. CURRELL, Chairman	Term expires 1929
CHARLES S. HASTY, Secretary	" " 1930
CHARLES F. TREVOR	" " 1931
LEON G. BENT, Clerk	

### Board of Public Welfare

ELIAS B. CURRELL, Chairman	Term expires 1929
CHARLES S. HASTY, Secretary	" " 1930
CHARLES F. TREVOR	" " 1931
LEON G. BENT, Clerk	HELEN A. BROWN, Visitor

### Board of Assessors

GEORGE E. HORROCKS, Chairman	Term expires 1929
J. FRED RICHARDSON, Secretary	" " 1931
ALVAH W. CLARK	" " 1930

### Town Clerk

MILLARD F. CHARLES

### Treasurer

PRESTON F. NICHOLS

### Collector of Taxes

GRACE V. VIALI

### Town Counsel

MELVILLE F. WESTON

### Moderator

CHARLES P. HOWARD

### Town Accountant

LEON G. BENT

### Board of Public Works

HARRY N. BROWN, Chairman	Term expires 1929
SAMUEL H. DAVIS, Secretary	" " 1930
MARTIN B. HARTSHORN	" " 1931
MILES C. HIGGINS	" " 1930
HAROLD W. PUTNAM	" " 1931
HARRY B. COLLINS, Supt.	

**Board of Health**

EDWARD M. HALLIGAN, M. D., Chairman	Term expires	1931
CHRISTINE F. ATKINSON, Secretary	" "	1930
CALVERT H. PLAYDON, M. D. V.	" "	1929

**Finance Committee**

§OTIS B. RUGGLES, Chairman	Term expires	Mar. 31, 1930
‡ROBERT B. MOUNT, Chairman	" " " "	1930
EDWARD W. BRIGGS	" " " "	1931
DR. W. A. CONNELLY	" " " "	1931
JOHN L. DEVANEY	" " " "	1931
MARGARET R. ELLISON	" " " "	1931
HARRY G. PORCH	" " " "	1931
WILLIAM A. HALEY	" " " "	1929
J. WARREN KILLAM	" " " "	1929
ORLANDO C. MOYER	" " " "	1929
EDWARD J. SCOTT	" " " "	1929
MOLLIE A. SWEETSER	" " " "	1929
JAMES W. FAIRCHILD	" " " "	1930
HOWARD P. KNOX	" " " "	1930
W. HOMER MORRISON	" " " "	1930
LEON G. BENT, Clerk		

**School Committee**

CARL M. SPENCER, Chairman	Term expires	1930
MARION B. TEMPLE	" "	1930
HAROLD A. CARNES, D. M. D.	" "	1929
MALCOLM C. DAVIS	" "	1929
ARTHUR W. COOLIDGE	" "	1931
JOSEPHINE L. FOWLER	" "	1931
ADELBERT L. SAFFORD, Secretary		

**Superintendent of Schools****School Attendance Officer**

ADELBERT L. SAFFORD

ABIGAIL H. MINGO

**Municipal Light Board**

HENRY R. JOHNSON, Chairman	Term expires	1929
HERBERT G. EVANS, Secretary	" "	1930
HARRY P. BAKER	" "	1931

ARTHUR G. SIAS, Manager, Municipal Light Dept.

§Resigned Sept. 18, 1928.

‡Elected Chairman Oct. 19, 1928.

**Board of Cemetery Trustees**

§GALEN A. PARKER, Chairman to Mar. 20, 1928	Term expires	1929
PHILIP H. TIRRELL, Chairman from Mar. 30, 1928	" "	1930
CLARENCE C. WHITE, Secretary	" "	1929
§CHESTER P. EELES	" "	1930
FRANK L. EDGERLEY	" "	1931
FRED L. NUTTER	" "	1931
†WINTHROP D. PARKER	" "	1929
†HAROLD F. DAVIS	" "	1929
WILLIAM P. PIERPONT, Supt.		

§Resigned.

†Elected to fill vacancy.

**Board of Registrars**

ROBERT S. RALSTON, Chairman	Term expires	1929
WALTER S. PRENTISS	" "	1931
OWEN McKENNEY	" "	1930
MILLARD F. CHARLES, Clerk		

**Playground Commission**

ARTHUR S. COOK, Chairman

MABEL H. BROWN	A. GERTRUDE KILLAM
HAROLD F. PARKER	HARRY E. SMITH

**Planning Board**

†W. FRANKLIN BURNHAM	Term expires	1929
HARRIET P. LEUCHTMAN, Secretary	" "	1929
WINTHROP D. PARKER	" "	1931
FREDERICK E. BOYERS	" "	1931
†Elected March 16, 1928, to fill vacancy		

**Trustees of Public Library**

ARTHUR N. MANSFIELD, Chairman	Term expires	1930
EDITH BANCROFT, Secretary	" "	1930
JESSE W. MORTON	" "	1931
RALPH S. KENESELEY	" "	1931
IDA C. LUCAS	" "	1929
*CHARLES F. DOUGHTY	" "	1929
†HARRY J. BARCLAY	" "	1929

BERTHA L. BROWN, Librarian

GRACE J. ABBOTT, Assistant Librarian

\*Deceased.

†Elected to fill vacancy.

**Board of Appeal**

HENRY Q. MILLETT, Chairman	FRED L. NUTTER, Secretary
CHARLES A. DAMON	

### Commissioners of Trust Funds

PHILIP H. TIRRELL, Chairman	Term expires 1929
H. RAYMOND JOHNSON	" " 1931
CLARENCE C. WHITE	" " 1933

Town Treasurer and Chairman of Selectmen, members ex officio

### Police Department

JEREMIAH CULLINANE, Chief	
FRANCIS T. SLACK, Sergeant	
TIMOTHY J. CULLINANE	WILLIAM F. O'BRIEN
OSCAR H. LOW	HAROLD W. O'BRIEN
FRANK R. FISHER	THOMAS E. WALL
PATRICK J. LONG	GORDON G. MacINTIRE
FRANCIS L. JOHNSON	JAMES H. LAWLER

### Fire Department

ORVILLE O. ORDWAY, Chief	
HUGH L. EAMES, Capt.	JOHN J. O'BRIEN, Capt.
FRANK L. McKENNEY	CHARLES H. HESELTON
GEORGE W. GOODRIDGE	WILLIAM H. VAN HORN
HERBERT L. ROBERTSON	ALBERT C. MAXWELL

### Superintendent of Fire Alarm and Inspector of Wires

HUGH L. EAMES

### Forest Warden

ORVILLE O. ORDWAY

### Deputy Forest Warden

HENRY M. DONEGAN

### Constables

LEON G. BENT

JAMES W. SIAS

### Sealer of Weights and Measures and Inspector of Milk

CARL M. SMITH

### Inspector of Plumbing and Gas Inspector

DAVID TAGGART

### Inspector of Animals

CALVERT H. PLAYDON, M. D. V.

### Inspector of Slaughtering

CHARLES R. HERRICK

### Inspector of Buildings

A. RUSSELL BARNES

### Superintendent Moth Dept. and Tree Warden

HENRY M. DONEGAN

**Burial Agent for Deceased Soldiers and Sailors**

(Under Chapter 115, Section 19, General Laws)

ALFRED E. GOODWIN

**Custodian of Soldiers' Graves**

(Under Chapter 115, Section 22, General Laws)

WALTER I. SWEETSER

**Measurers of Wood and Bark**

THOMAS E. BROGAN

PERCY N. SWEETSER

BURTON K. SYMONDS

WARREN M. WHITEHOUSE

**Measurers of Lumber**

ORA L. MILBURY

BURTON K. SYMONDS

WARREN M. WHITEHOUSE

WILLIAM R. ZWICKER

EDWARD B. EAMES

ROLLAND L. PERRY

**Weighers of Coal and Hay**

W. IRVING BANCROFT

THOMAS E. BROGAN

BERTHA D. MacLELLAN

MABEL L. MacKAY

WENDELL B. NEWELL

PERCY N. SWEETSER

CHARLES W. LEE

WILLIAM H. WHITE

**Field Drivers**

WILLARD A. BANCROFT

ADOLPH S. LARSON

ROLLAND L. PERRY

**Fence Viewers**

CARL B. SAWYER

ALBERT E. TEMPLE

WENDELL B. NEWELL

**Director of Agriculture and Home Economics**

(Chapter 128, Section 41, General Laws)

ROLLAND L. PERRY

**Soldiers' Memorial Committee**

ELIAS B. CURRELL, Chairman

GRACE B. SHEPARDSON, Sec'y

SALLY F. BUCK

LELAND W. KINGMAN

SAMUEL H. DAVIS

WINTHROP D. PARKER

FRANK D. TANNER

§WM. T. W. UNDERWOOD

§THOMAS WALL

†DANIEL H. SHAY

§Resigned.

†Appointed to fill vacancy.

**Safety Council**

LAURA S. GORDON

GLADYS S. N. FAIRCHILD

ALVAH W. CLARK

EDWARD G. QUINLAN

**Committee on Revision of Zoning By-Laws**

HENRY R. JOHNSON

WILLARD P. ADDEN

JAMES P. BROWN

Members of Planning Board.

**Committee on Town Forests**

ORVILLE O. ORDWAY

J. FRED RICHARDSON

W. FRANKLIN BURNHAM

## TOWN OF READING

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Population 1925 Census: 8693.

Registered Voters 1928: Men 2339, Women 2389, Total 4728.

Fifth Congressional District.

Sixth Councillor District.

Seventh Middlesex Senatorial District.

Eighteenth Middlesex Representative District.

Representative in Congress, 5th District, Edith Nourse Rogers, Lowell.

Councillor 6th District, Harvey L. Boutwell, Malden.

Senator 7th Middlesex District, Joseph R. Cotton, Lexington.

Representatives 18th Middlesex District, Louis Ellenwood, Reading;  
Wilford A. Walker, Woburn.

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### LIST OF JURORS FOR 1928-1929

Prepared by the Board of Selectmen

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Adams, Stephen D., Merchant	118 Ash St.
Adden, Willard P., Architect	119 Woburn St.
Ainsworth, Walter C., Steamfitter	Cross St.
Bancroft, Arthur W., Clerk	55 West St.
Bancroft, Elmer P., Contractor	16 Berkeley St.
Barr, Harry C., Merchant	33 Highland St.
Beaman, Thomas W., Optometrist	48 Pearl St.
Beasley, George W., Merchant	33 Pearl St.
Birchall, Joseph C., Mechanic	17 Village St.
Boyers, Frederick E., Bookkeeper	45 Howard St.
Browne, George H., Salesman	97 Prescott St.
Brown, Harry N., Manager	55 Grand St.
Brown, Rodney W., Banker	89 Prospect St.
Bryant, Forest H., Adjuster	11 Lowell St.
Burgess, Robert S., Insurance Agent	28 Pratt St.
Burnham, William F., Real Estate	9 Copeland Ave.
Carfrey, Jacob H., Salesman	256 Main St.
Carter, Francis A., Carpenter	59 Harrison St.
Carter, Percy N., Clerk	33 Chute St.
Carter, Thomas E., Foreman	25 Auburn St.
Chase, Isaac, Mechanic	116 West St.
Comey, Herbert D., Insurance	15 Washington St.



Cook, Arthur S., Insurance	59 Bancroft Ave.
Crocker, Harvey S. Salesman	50 Prescott St.
Crooker, Elmer P., Real Estate	70 Salem St.
Crosby, Joseph H., Clerk	77 Haven St.
Cushing, Charles E., Real Estate	42 Howard St.
Devaney, Martin L., Bookkeeper	59 Ash St.
Eeles, Chester P., Salesman	43 Berkeley St.
Esterberg, William L., Accountant	3 Kingston St.
Fellows, Horace W., Civil Engineer	Auburn St.
Fairclough, William T., Civil Engineer	Grove St.
Foster, Arthur J., Farmer	18 Mineral St.
Frost, Edgar, Surveyor	35 Oak St.
Frost, J. Edward, Expressman	95 Oak St.
Gascoigne, Albert P. E., Builder	34 Chute St.
Graupner, Albert C., Meat Cutter	35 Pleasant St.
Greenwood, Fred N., Salesman	4 Belmont St.
Haley, William A., Salesman	21 Hillcrest Rd.
Hartshorn, Martin B., Manager	214 High St.
Heath, Wilbur S., At Home	74 Main St.
Hilton, Walter C., Manager	127 Ash St.
Horton, Wendell B., Salesman	5 Dudley St.
Howard, John B., Salesman	15 Oak St.
Hunt, Herbert W., Manufacturer	30 Hillcrest Rd.
Ingalls, George J., Clerk	253 Pearl St.
Johnson, Henry R., Merchant	193 Main St.
Killam, Joseph W., Civil Engineer	16 Arlington St.
Kimball, Arthur R., Manufacturer	40 Chute St.
Knox, Howard P., Merchant	35 Walnut St.
Larrabee, George E., Salesman	394 Main St.
Littlefield, Ray E., Manufacturer	16 Mt. Vernon St.
MacAllister, William J., Plumber	100 Howard St.
Macdonald, Alexander F., Bookkeeper	16 Locust St.
Martin, George E., Manager	100 Haven St.
McCaughy, Joseph, Foreman	11 Elliott St.
McKay, Herbert L., At Home	51 Spring St.
McLellan, Harry R., Salesman	63 Woburn St.
Mecham, Mark, Bookkeeper	19 Arlington St.
Merritt, Robert M., Salesman	1 Dudley St.
Morrison, William H., Solicitor	29 Pleasant St.
Murphy, Howard J., Manufacturer	255 Main St.
Mussells, George A., Accountant	38 Bancroft Ave.
Noyes, Herman M., Buyer	57 Howard St.
Nutting, Frank H., Salesman	31 Hillcrest Rd.
Nutter, Fred L., Agent	41 Linden St.
Owen, John W., Civil Engineer	155 Main St.

Parker, J. Scott, Expressman	77 Woburn St.
Parker, Percival, Salesman	64 Washington St.
Parker, Winthrop D., Architect	1 Charles St.
Perkins, Thomas, Superintendent	29 Woburn St.
Platts, Clifton M., Auditor	44 Prospect St.
Pomfret, George H., Bookkeeper	13 Winter St.
Prentiss, Harley L., Bookkeeper	11 Fremont St.
Ralston, Robert S., Composer	1A Dudley St.
Richards, Frederick E., Salesman	49 Prescott St.
Richardson, Charles W., Clerk	107 Haven St.
Richardson, J. Fred, Merchant	17 Prospect St.
Roberts, Arthur E., Treasurer	128 Summer Ave.
Robinson, Joseph E., Insurance	60 Lowell St.
Ruggles, Walter C., Manufacturer	10 Fremont St.
Scott, Edward J., Treasurer	8 Fremont St.
Smith, Carl M., Druggist	10 Linden St.
Southwick, Leon L., Salesman	131 Ash St.
Spavin, Edward M., Salesman	Wells Rd.
Spencer, Carl M., President	21 Pratt St.
Stembridge, Alfred R., Salesman	56 Mineral St.
Stevens, Frank M., Special Agent	4 School St.
Stimpson, George H., Voicer	7 Kingston St.
Sweetser, Percy N., Merchant	110 Woburn St.
Torrey, Howard, At Home	159 Summer Ave.
Tucker, Frank E., Clerk	22 Avon St.
Underwood, William T., Salesman	97 Woburn St.
Van Buskirk, Joseph B., Real Estate	40 Hanscom Ave.
Ward, Frank E., Bookkeeper	21 King St.
Wells, Charles D., Blacksmith	55 Prescott St.
Whitchurch, Ruel L., Farmer	279 Franklin St.
Willson, William H., Manager	167 Woburn St.
Wilson, W. Fred, Salesman	24 Arlington St.
Winslow, Warren L., Insurance	65 Mineral St.
Worthen, Arthur B., Salesman	51 Grand St.

Reading, Mass., June 29, 1928.      Approved:

ELIAS B. CURRELL,  
CHARLES S. HASTY,  
CHARLES F. TREVOR

Selectmen of Reading.



## TOWN MEETINGS, 1928

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### ANNUAL TOWN MEETING

Security Hall, Woburn St., March 5, 1928.

Pursuant to the warrant and the Constable's return thereon, a town meeting was held at the time and place specified therein and was called to order by the Moderator, Charles P. Howard. The warrant was partially read when it was voted to dispense with further reading of the warrant except the Constable's return. The Constable's return was then read.

Article 1. To bring in their votes on one ballot for Moderator; one member of the Board of Selectmen for three years; Treasurer; Collector of Taxes; one member of the Board of Assessors for three years; Town Clerk; two members of the Board of Public Works for three years; Tree Warden; one member of the Board of Health for three years; one member of the Board of Public Welfare for three years; two members of the School Committee for three years; two trustees of the Public Library for three years; one member of the Municipal Light Board for three years; two members of the Board of Cemetery Trustees for three years; two Constables; three members of the Planning Board, two members for three years, and one member for two years.

#### Moderator, One Year

Charles P. Howard, 122 Summer Ave. ....	1111
Blanks .....	248

#### Town Clerk, One Year

Millard F. Charles, 66 Bancroft Ave. ....	1211
Blanks .....	148

#### Selectmen, Three Years

George W. Davis, Ordway Terrace .....	507
Charles F. Trevor, 21 Lowell St. ....	818
Blanks .....	34

#### Board of Public Welfare, Three Years

George W. Davis, Ordway Terrace .....	519
Charles F. Trevor, 21 Lowell St. ....	792
Blanks .....	48

#### Assessor, Three Years

J. Fred Richardson, 17 Prospect St. ....	1118
Blanks .....	241

**Treasurer, One Year**

Preston F. Nichols, 56 Linden St. ....	1168
Blanks .....	191

**Tax Collector, One Year**

Grace V. Viall, 42 Bancroft Ave. ....	1186
Blanks .....	173

**Board of Public Works, Three Years**

Martin B. Hartshorn, 214 High St. ....	1095
Harold W. Putnam, 117 Bancroft Ave. ....	1178
Blanks .....	445

**Constables, One Year**

Leon G. Bent, 215 Main St. ....	1094
James Winthrop Sias, 5 Salem St. ....	1038
Blanks .....	566

**Tree Warden, One Year**

Henry M. Donegan, 15 Federal St. ....	1196
Blanks .....	163

**Municipal Light Board, Three Years**

Harry P. Baker, 38 Prescott St. ....	1113
Blanks .....	249

**School Committee, Three Years**

Josephine L. Fowler, 65 Temple St. ....	1089
Arthur W. Coolidge, 45 Middlesex Ave. ....	1087
Blanks .....	542

**Board of Health, Three Years**

Edward M. Halligan, 3 Salem St. ....	1145
Blanks .....	214

**Trustees Public Library, Three Years**

Ralph W. Keneeley, 86 Salem St. ....	1065
Jesse W. Morton, 114 Woburn St. ....	1125
Blanks .....	528

**Cemetery Trustees, Three Years**

Frank L. Edgerley, 203 Main St. ....	1122
Fred L. Nutter, 41 Linden St. ....	1102
Blanks .....	494

**Planning Board, Three Years**

Frederick E. Boyers, 45 Howard St. ....	750
W. Franklin Burnham, 35 Copeland Ave. ....	614
Winthrop D. Parker, 1 Charles St. ....	850
Blanks .....	505

**Planning Board, Two Years**

Winthrop D. Parker, 1 Charles St. ....	51
Frederick E. Boyers, 45 Howard St. ....	49
W. Franklin Burnham, 35 Copeland Ave. ....	27
Daniel J. O'Neil, 6 Ash St. ....	20
Blanks and Scattering .....	1212

The votes were counted and declared in open town meeting and the ballots sealed and delivered to the Town Clerk, whereupon it was voted to adjourn.

MILLARD F. CHARLES, Town Clerk.

**ANNUAL TOWN MEETING**

Security Hall, Woburn St., March 12, 1928.

Pursuant to the warrant and the Constable's return thereon, a town meeting was held at the time and place therein specified in the last part of Article 1 and was called to order by the Moderator, Charles P. Howard. The warrant was partially read when it was voted to dispense with further reading except the Constable's return, which was duly read and the meeting opened.

Article 2. To hear and act on the reports of the Board of Selectmen; Town Accountant; Treasurer; Collector of Taxes; Board of Assessors; Board of Public Works; Town Clerk; Tree Warden; Board of Health; Board of Public Welfare; School Committee; Public Library Trustees; Municipal Light Board; Board of Cemetery Trustees; Finance Committee; Planning Board and Special Committees.

Article 2. On motion of Elias B. Currell, it was voted to lay this article on the table.

Article 3. To choose all other necessary town officers and determine what instructions shall be given town officers and special committees.

Article 3. Voted that the following, on motion of Elias B. Currell, be chosen to serve as Measurers of Lumber for the ensuing year: Ora L. Milbury, Edward B. Eames, Burton K. Symonds, William B. Zwicker, Warren M. Whitehouse, Rolland L. Perry; and the following as Measurers of Wood and Bark: Percy N. Sweetser, Burton K. Symonds, Thomas E. Brogan and Warren M. Whitehouse.

Article 4. To determine how much money the Town will raise and appropriate for General Government, Protection of Persons and Property, Health and Sanitation, Highways, Charities, Soldiers' Benefits, Schools, Public Library, Recreation, Cemetery Department, Memorial Day Observance, Municipal Light Department, Water Department, Maturing Debt, Interest, Insurance, and General Accounts.

Article 4. On motion of Elias B. Currell, it was voted that \$21,710.00 be raised and appropriated for General Government as follows:

Selectmen's Expenses .....	\$ 300.00
Selectmen's Clerical .....	1310.00
Town Accountant's Salary .....	2,000.00
Treasurer's Salary .....	1,200.00
Treasurer's Expenses .....	500.00
Collector's Salary .....	2,000.00
Collector's Expenses .....	1,000.00
Collector's Clerical .....	200.00
Assessors' Salaries .....	1,800.00
Assessors' Expenses .....	1,100.00
Assessors' Clerical .....	2,200.00
Block System Survey .....	100.00
Town Counsel's Salary .....	500.00
Town Counsel's Expenses .....	100.00
Town Clerk's Salary .....	350.00
Town Clerk's Expenses .....	600.00
Board of Public Works, Salaries of Officers and Expenses	5,200.00
Registrars of Voters Salaries .....	250.00
Election and Registration Expenses .....	1,000.00

It was moved by George E. Horrocks that the above motion be amended to raise and appropriate for Assessors' Expenses, \$1,300.00 instead of \$1,100.00 and for Block System Survey, \$500.00 instead of \$100.00. The motion to amend was not carried.

Article 4. On motion of Elias B. Currell, it was voted that \$94,475.00 be raised and appropriated for General Accounts as follows:

Miscellaneous Expenses .....	\$ 2,500.00
Municipal Building Maintenance .....	2,800.00
Fire Station Maintenance and Repairs .....	1,000.00
Victory House Lighting .....	150.00
G. A. R. Rooms Lighting .....	25.00
Insurance .....	5,000.00
Interest .....	27,000.00
Maturing Debt .....	56,000.00

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\$ 94,475.00

and that \$15,000.00 of the above amount be appropriated from Excess and Deficiency Account and transferred for the payment of maturing debt.

\$ 79,475.00

Article 4. On motion of Elias B. Currell, it was voted that \$61,453.15 be raised and appropriated for Protection of Persons and Property as follows:

Police Dept. Maintenance .....	\$ 2,300.00
Police Dept. Salaries .....	25,361.00
Police Dept. Special Officers .....	300.00
Fire Dept. Maintenance .....	2,300.00
Fire Dept. Salaries .....	17,375.15
Fire Dept. Call Men Salaries .....	3,367.00
Fire Alarm Maintenance and Extension .....	800.00
Moth Dept. Maintenance .....	6,000.00
Tree Warden Maintenance .....	2,000.00
Forest Warden Maintenance .....	500.00
Inspector of Buildings Salary .....	500.00
Inspector of Wires Salary .....	100.00
Sealer of Weights and Measures Salary .....	400.00
Sealer of Weights and Measures Expenses .....	150.00

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\$ 61,453.15

Article 4. On motion of Elias B. Currell, it was voted that \$6,300.00 be raised and appropriated for Health and Sanitation as follows:

Board of Health Salaries .....	\$ 300.00
Board of Health Expenses .....	600.00
Inspector of Plumbing, Salary .....	800.00
Inspector of Animals, Salary .....	200.00
Inspector of Milk, Salary .....	100.00
Care of Contagious Diseases .....	2,000.00
Garbage Collection .....	2,300.00

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\$ 6,300.00

Article 4. On motion of Elias B. Currell, it was voted that \$15,252.00 be raised and appropriated for Charities and Aid as follows:

**Board of Public Welfare**

Visitor's Salary .....	\$ 400.00
Clerical Salary .....	352.00
Aid, Board and Care .....	8,000.00
Mothers' Aid .....	4,000.00
Temporary Aid .....	2,500.00

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\$ 15,252.00



Article 4. On motion of Elias B. Currell, it was voted that \$5,000.00 be raised and appropriated for Soldiers' Benefits as follows:

State Aid .....	\$ 300.00
Military Aid .....	700.00
Soldiers' Relief .....	4,000.00
	<hr/>
	\$ 5,000.00

Article 4. On motion of Harry N. Brown, it was voted that the Town raise and appropriate for:

Hydrant Rentals .....	\$ 7,875.00
Drinking Fountains .....	100.00
	<hr/>
	\$ 7,975.00

and the above-mentioned sums, together with the Water Dept. receipts, estimated at \$50,220.00, and the balance on hand, Jan. 1, 1928, \$4,432.93, be appropriated for payment of water bonds, interest on water bonds, maintenance of water works and main and service pipes, and that \$282.00, premium on water bonds sold in 1927 be applied to payment of water bonds due in 1928.

Article 4. On motion of Harry N. Brown, it was voted that the sum of \$45,000.00 be raised and appropriated for construction, maintenance and repairs of highways, the purchase of materials, tools and appliances, and for the payment of any other incidental expenses pertaining thereto.

\$ 45,000.00

Article 4. On motion of Harry N. Brown, it was voted that the sum of \$5,000.00 be raised and appropriated for sidewalk construction.

Article 4. On motion of Harry N. Brown, it was voted that the sum of \$10,000.00 be raised and appropriated for the

Removal of Snow and Ice .....	\$ 5,000.00
Maintenance of Storm Drains .....	3,000.00
Care of Common, Parks and Supervised Play .....	2,000.00
	<hr/>
	\$ 10,000.00

\$ 10,000.00

Article 4. On motion of Henry R. Johnson, it was voted that there be included in the tax levy for electricity used for street lights the sum of \$13,500.00, and that said sum and the income from sales of electricity to private consumers, other municipalities and to Municipal Buildings, and jobbing sales during the current fiscal year, be appropriated for the municipal lighting plant, the whole to be expended by the Manager of municipal lighting under the direction and control of the Municipal Light Board for the expense of the plant for said fiscal year, as defined in Section 57 of Chapter 164 of the General Laws and that, if there should be any unexpended

balance thereof at the end of said fiscal year, such balance shall be transferred to the construction fund of said plant and appropriated and used for such additions thereto as may be authorized by the Municipal Light Board during the next fiscal year, and said Board is further authorized to transfer from the operation fund to the construction fund an amount not exceeding \$15,000.00 to be expended for new construction during 1928.

Article 4. On motion of Carl M. Spencer, it was voted that the sum of \$223,187.50 be raised and appropriated for School Expenses, divided as follows:

General Maintenance .....	\$ 49,650.00
General Salaries .....	169,500.00
Agricultural Maintenance .....	500.00
Agricultural Salaries .....	2,737.50
Industrial Tuition .....	800.00
	<hr/>
	\$223,187.50

Article 4. On motion of Arthur N. Mansfield, it was voted that the Town raise and appropriate \$7,430.00 for the support of the Public Library, as follows:

Library Maintenance .....	\$ 3,200.00
Library Salaries .....	4,230.00
	<hr/>
	\$ 7,430.00

Article 4. On motion of Philip H. Tirrell, it was voted that \$9,650.00 be raised and appropriated for Cemeteries; \$8,900.00 to be expended for maintenance of Laurel Hill Cemetery and \$750.00 for development of Forest Glen Cemetery. \$ 9,650.00

Article 4. On motion of Leon G. Bent, it was voted that \$500.00 be raised and appropriated for Memorial Day Observance to be expended under the direction of Reading Post No. 62, American Legion. \$ 500.00

Article 5. To see if the Town will raise and appropriate the sum of five thousand dollars (\$5,000.00) for the Reserve Fund as provided by Section 6, Chapter 40, General Laws, or what it will do in relation thereto. Town Accountant.

Article 5. On motion of Leon G. Bent, it was voted that \$2,000.00 be appropriated from Overlay Reserve and \$3,000.00 from Excess and Deficiency Account for the Reserve Fund in accordance with Section 6, Chapter 40, General Laws and that the Town Accountant be and he hereby is authorized to transfer said amount for the purpose.

Article 6. To see if the Town will raise and appropriate the sum of three thousand three hundred and seventy-four dollars and sixty-seven cents (\$3,374.67) to balance overdrafts in the following accounts: Police Department, Special Officers, \$1,374.32; Temporary Aid, \$450.87; Soldiers' Relief \$1,549.48; or what it will do in relation thereto. Town Accountant.

Article 6. On motion of Leon G. Bent, it was voted that \$3,374.67 be appropriated from Excess and Deficiency Account to balance overdrafts in the following accounts:

Police Department, Special Officers .....	\$ 1,374.32
Temporary Aid .....	450.87
Soldiers' Relief .....	1,549.48

and the Town Accountant is hereby instructed to make the transfers.

Article 7. To see if the Town will authorize the Treasurer, with the approval of the Selectmen, to borrow money from time to time in anticipation of revenue of the financial year beginning January 1, 1928, and to issue a note or notes therefor, payable within one year, any debt or debts incurred under this vote to be paid from the revenue of said financial year. Town Treasurer.

Article 7. On motion of Preston F. Nichols, it was voted that the Treasurer be authorized, with the approval of the Selectmen, to borrow money from time to time in anticipation of revenue of the financial year beginning, Jan. 1, 1928, and to issue a note or notes therefor, payable within one year, any debt or debts incurred under this vote to be paid from the revenue of said financial year.

Article 8. To see if the Town will authorize the Treasurer, with the approval of the Selectmen, to renew or refund any notes issued in anticipation of revenue for a period of less than one year, in accordance with the provisions of Section 17, Chapter 44, General Laws, or what it will do in relation thereto. Town Treasurer.

Article 8. On motion of Preston F. Nichols, it was voted that the Treasurer be authorized, with the approval of the Selectmen, to renew or refund any notes issued in anticipation of revenue for a period of less than one year, in accordance with the provisions of Section 17, Chapter 44, General Laws.

Article 9. To see if the Town will raise and appropriate the sum of three hundred and sixty dollars (\$360.00) for the purpose of providing suitable quarters for Veteran Post No. 194, G. A. R., in accordance with the provisions of Section 5, Chapter 40, General Laws, or what it will do in relation thereto. Board of Selectmen.

Article 9. On motion of Elias B. Currell, it was voted that \$360.00 be raised and appropriated for the purpose of providing suitable quarters for Veteran Post No. 194, G. A. R. in accordance with the provisions of Section 5, Chapter 40, General Laws.



Article 10. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500.00) for the care of graves of any persons who have served in the Army, Navy, or Marine Corps of the United States, in time of war or insurrection, and who have been honorably discharged from such service, as provided by Section 22, Chapter 115, General Laws, or what it will do in relation thereto.

Board of Selectmen.

Article 10. On motion of Elias B. Currell, it was voted that \$500.00 be raised and appropriated for the care of graves of any persons who have served in the Army, Navy, or Marine Corps of the United States, in time of war or insurrection and who have been honorably discharged from such service as provided by Section 22, Chapter 115, General Laws. \$500.00

Article 11. To see if the Town will vote to indemnify the Commonwealth of Massachusetts against any and all claims for land, grade and drainage damages which may be caused by or resulting from the laying out, alteration, construction or reconstruction of that part of the State Highway known as Dead Man's Curve, or any section or relocation thereof, and will authorize the Board of Selectmen to sign an indemnity agreement thereof in behalf of the Town, and to see if the Town will raise and appropriate the sum of two hundred dollars (\$200.00) for the payment of said damages, or what it will do in relation thereto.

Board of Selectmen.

Article 11. On motion of Elias B. Currell, it was voted that the subject matter of Article 11 be referred to the Board of Public Works.

Article 12. To see if the Town will vote to erect a fence on the westerly side of the Boston & Maine Railroad from W. Bancroft & Co.'s property northerly about 500 ft., and on the easterly side from the Mineral Street Bridge southerly about 500 ft., and how much money it will raise and appropriate herefor, or what it will do in relation thereto.

Board of Selectmen.

Article 12. On motion of Elias B. Currell, it was voted that the sum of \$2,000.00 be raised and appropriated for the construction of a fence on the westerly side of the Boston & Maine Railroad from W. Bancroft & Co.'s property northerly about 500 ft. and on the easterly side from the Mineral Street Bridge southerly about 500 ft.

The motion was not voted.

Article 13. To see if the Town will appropriate the sum of \$5,299.22, being the unexpended balance of the amount raised by bond issue for water mains extension in specified streets, for further extension of main pipes of 6 inches in diameter or over, or what it will do in relation thereto.

Board of Public Works.

Article 13. On motion of Harry N. Brown, it was voted that the sum of \$5,299.22, being the unexpended balance of the amount raised by bond issue for water main extensions in specified streets, be appropriated for further extension of main pipes of six inches in diameter or over.

Article 14. To see if the Town will raise and appropriate by borrowing or otherwise, the sum of ten thousand dollars (\$10,000.00) for the development of storm water drainage, or what it will do in relation thereto.  
Board of Public Works.

Article 14. On motion of Harry N. Brown, it was voted that the sum of \$10,000.00 be raised and appropriated for the development of storm water drainage.  
\$10,000.00

Article 15. To see if the Town will vote to repair the bridge over the Boston & Maine Railroad at Mineral Street, and how much money it will raise and appropriate therefor, or what it will do in relation thereto.  
Board of Public Works.

Article 15. On motion of Otis B. Ruggles, it was voted to raise and appropriate \$9,000.00 for the purpose of repairing the bridge over the Boston & Maine Railroad at Mineral Street, the same to be expended under the direction of the Board of Public Works.

Article 16. To see if the Town will vote to construct a new bridge of reinforced concrete and steel over the Boston & Maine Railroad at Mineral Street, and to see how much money it will raise by borrowing or otherwise, and appropriate therefor, or what it will do in relation thereto.  
Board of Public Works.

Article 16. The motion of Harry N. Brown to build a bridge at Mineral Street over the Boston & Maine Railroad to cost \$45,000 was not carried.

Article 17. To see if the Town will vote to accept the report of the Board of Public Works, upon the laying out as a public highway of private way heretofore known as Gilmore Avenue, such highway being laid out in accordance with plans duly approved by the Board of Survey and filed in the office of the Town Clerk, in accordance with the statutory requirements, and to see if the Town will accept the public highway laid out by the Board of Public Works and heretofore known as Gilmore Avenue, or what it will do in relation thereto.

Board of Public Works.

Article 17. Report of the Board of Public Works on the laying out of Gilmore Avenue.

We, the subscribers, Board of Public Works of Reading, after giving due notice to all parties interested, have laid out for the Town as a public way described as follows:

Gilmore Avenue, being a certain street or court in the Town

of Reading, running southerly from Woburn Street through land of Gladys E. Steele and being bounded and described as follows:

The westerly line of said Gilmore Avenue commences at a point on the southerly side line of said Woburn Street, said point being N. 62 degrees 36' and 30" E. a distance of 210.95 feet from a stone bound set at the end of a short curve of 40.41 feet radius connecting said Woburn Street with West Street. From thence the said westerly line runs to the right with a radius of 10.00 feet a length of 17.25 feet to a point of tangent; thence S. 18 degrees 32' and 20" E. a distance of 166.82 feet to a point of curve. Thence with a curve to the left with a radius of 30.00 feet a length of 117.60 feet to a point of reverse curve. Thence with a curve to the right with a radius of 42.30 feet a length of 26.02 feet to a point of tangent which is forty feet opposite at right angles with the end of the second course as above described. Thence with a curve to the right with a radius of 10.00 feet a length of 14.16 feet to a point of tangent on the southerly side of Woburn Street and at the end of this layout. The last point above described being a distance of 60.72 feet from the first point as above described and on a bearing of N. 62 degrees 36' and 30" E. therefrom.

The above described lines being more fully shown on a plan entitled, "Gilmore Avenue, Reading, Mass., owned and developed by Gladys E. Steele," made under date of September, 1927 by Davis & Abbott, Civil Engineers, Reading, Mass., said plan being a part of this description.

We recommend that when this report is accepted and adopted by the Town that said way shall thereafter be known as a public town way and named, "Gilmore Avenue."

On motion of Harry N. Brown, it was voted to accept and adopt the report of the Board of Public Works on the laying out of said Gilmore Avenue.

Article 18. To see if the Town will accept the report of the Board of Public Works, establishing a building line on the westerly side of Main Street, in Reading, said line beginning at a point on the northerly line of Haven Street, thirty-three (33.00) feet southwest of the intersection of the northerly line of Haven Street, with the westerly line of Main Street, thence running due north for a distance of two hundred thirty-nine and sixty-four one hundredths (239.64) feet, on the property of the Masonic Temple Corp., Arthur D. Gordon, Thos. J. Finnegan and Louis J. Baccigalupo, thence by a curve to the left having a radius of two hundred fifty and fifteen hundredths (250.15) feet for a distance of eighty-two and fifty-two one hundredths (82.52) feet on the property of Louis J. Baccigalupo, to the intersection with the westerly line of Main Street, and providing that structures existing at the time of the establishment of said building line, though

between the same and said Main Street, shall be permitted to remain as the same then exist and to be maintained, including the making of ordinary and current repairs, but not to be substantially reconstructed, altered, enlarged or extended, and to see if the Town will raise and appropriate the sum of one thousand dollars (\$1,000.00), for the expense of said building line and for the payment of any damages in connection therewith, or what it will do in relation thereto.

Board of Public Works.

Article 18. On motion of W. Franklin Burnham, it was voted to lay this Article on the table.

Article 19. To see if the Town will authorize the Board of Selectmen to sell the Hose House on Hopkins Street in order that the lot upon which it stands may be added to the school-yard of the Chestnut Hill School, or what it will do in relation thereto.

School Committee.

Article 19. On motion of Carl M. Spencer, it was voted to authorize the Board of Selectmen to dispose of the Hose House on Hopkins Street in order that the lot upon which it stands may be added to the school yard of the Chestnut Hill School.

Article 20. To see what action the Town will take regarding the installation of additional street lights in the public streets during 1928.

Municipal Light Board.

Article 20. On motion of Henry R. Johnson, it was voted that the subject matter of Article 20 be referred to the Municipal Light Board with authority to install such additional street lights as in its judgment are necessary, and to make such changes in existing lights as may be advisable, the cost of same to be paid from the depreciation fund.

Article 21. To see if the Town will vote to authorize the Municipal Light Board to secure, by lease or otherwise, new quarters for offices and salesrooms.

Municipal Light Board.

Article 21. On motion of Henry R. Johnson, it was voted that the Municipal Light Board be and it is hereby authorized to procure new and suitable quarters for its offices, salesrooms and other uses of a similar nature connected with the conduct of its business; and for that purpose to enter into, in the name and behalf of the Town, and execute such agreement, leases and other undertakings upon such terms and conditions as in the opinion of said Board may be necessary, the rental for said quarters to be paid from the income of the Municipal Lighting Plant.

Article 11. On motion of Otis B. Ruggles, it was voted to reconsider action taken on Article 11.



Article 11. On motion of Otis B. Ruggles, it was voted to raise and appropriate the sum of \$200.00 to pay for land damage in widening Main Street. at Dead Man's Curve, so-called, and authorize the Board of Selectmen to sign an indemnity agreement to indemnify the Commonwealth of Massachusetts against any and all claims for land, grade and drainage damages which may be caused by or resulting from the laying out, alteration, construction or reconstruction of that part of the State Highway known as Dead Man's Curve or any section or relocation thereof. \$200.00

Article 22. To see if the Town will vote to provide a site for and erect a permanent World War Memorial and appropriate the sum of four thousand and sixty-nine dollars and eighty-two cents (\$4,069.82), the amount received from the Commonwealth of Massachusetts in 1924 from surplus war bonus funds, or what it will do in relation thereto.

William T. W. Underwood and others.

Article 22. On motion of Samuel H. Davis, it was voted that the Town appropriate the sum of \$4,069.82, being the amount received from the Commonwealth of Massachusetts by virtue of Chapter 480 of the Acts of 1924, for a permanent War Memorial and that a committee of nine be appointed by the Moderator and such committee be and they hereby are authorized, empowered and instructed to expend the said sum of \$4,069.82 for a permanent World War Memorial and to select a suitable site within the Town of Reading and cause such Memorial to be erected thereon.

Committee appointed:

Elias B. Currell, Chairman	Frank Tanner
Mrs. Sally Buck	Mrs. Grace B. Shepardson
Samuel H. Davis	William T. W. Underwood
Leland W. Kingman	Thomas Wall

Winthrop D. Parker

Article 23. To see if the Town will vote to instruct the Board of Cemetery Trustees to provide a suitable plot of ground in Forest Glen Cemetery for the use of Reading Post 62 of the American Legion, or what it will do in relation thereto.

William T. W. Underwood and others.

Article 23. On motion of William T. W. Underwood, it was voted that the Board of Cemetery Trustees be and they are hereby authorized, empowered and instructed to provide a suitable plot of ground in Forest Glen Cemetery for the use of Reading Post 62, American Legion.

Article 24. To see if the Town will vote to raise by borrowing or otherwise and appropriate the sum of fourteen thousand nine hundred dollars (\$14,900.00), for the purpose of constructing an underpass (foot passage) and an inter-track fence at the Reading Railroad

Station, or what it will do in relation thereto.

Reading Safety Council.

Article 24. Laura S. Gordon made the following motion:

That for the purpose of constructing an underpass for foot passage under the tracks of the Boston & Maine R. R. at or near the railroad station, such underpass for foot passage to be a connection of the present sidewalk on the southerly side of Haven Street with Lincoln Street and also for the construction of an inter-track fence and other construction and alterations at an additional cost of not exceeding \$5,400.00, there be raised and appropriated the sum of \$14,900.00; \$9,900.00 of which shall be raised in the tax levy of the current year, and the Treasurer with the approval of the Selectmen, be and hereby is authorized to borrow the sum of \$5,000.00 and to issue bonds or notes of the Town therefor, said bonds or notes to be payable in accordance with the provisions of Sec. 19, Chapter 44, General Laws, so that the whole loan shall be paid in not less than five years from the date of issue of the first bond or note or at such earlier dates as the Treasurer and Selectmen may determine.

On motion of Otis B. Ruggles, this Article was laid on the table.

It was voted to adjourn to meet in Security Hall on Tuesday, March 20, 1928 at 7.45 o'clock P. M.

The following checkers reported that the total voters admitted to the Town Meeting was 683.

George L. Pratt  
James A. Waters

Katherine E. Murray  
Jessie N. Thaxter

MILLARD F. CHARLES, Town Clerk.

## ADJOURNED ANNUAL TOWN MEETING

Security Hall, Woburn St., March 20, 1928.

Pursuant to adjournment, a Town Meeting was held and was called to order by the Moderator, Charles P. Howard.

Article 25. To see if the Town will vote to authorize the sale to the First Congregational Church of Reading, of approximately 2,993 sq. ft. of land, being a part of the rear portion of the Richardson Lot, so-called, on Lowell Street, adjacent to the Municipal Building, or what it will do in relation thereto.

George A. Taber and others.

Article 25. On motion of George A. Taber, it was voted that the Board of Selectmen hereby is authorized to sell to the First Congregational Church of Reading the certain piece of land herein-

after described at the price of twenty-five cents per square foot, said land being described as follows:

Commencing at a stone bound located 189.43 feet from Woburn Street at the northeast corner of the property of the First Congregational Church of Reading, thence running along the north boundary of said Church property on, bearing north 77 degrees 49' and 30" W. a distance of 63.25 feet. Thence turning and running along boundary line of said church property on, bearing N. 14 degrees 27' and 30" E. a distance of 65 feet to a spike in the ground at the southern corner of the property of the Christian Science Church, thence turning and running on, bearing S. 48 degrees 44' and 40' E. a distance of 68.77 feet, thence turning and running on, bearing S. 11 degrees 9' W. a distance of 31.54 feet to the point of beginning, said parcel containing 2993 sq. ft. of land, the same being shown on a plan of Davis and Abbott, Civil Engineers, entitled, "Plan of land owned by the Town of Reading showing proposed transfer of lot to the Congregational Church Society" and dated, May, 1927.

And that the Board of Selectmen be and hereby is authorized to give a deed in the name of the Town conveying said land to the First Congregational Church of Reading.

Article 24. On motion of Laura S. Gordon, it was voted to take this article from the table.

A substitute motion was made by Laura S. Gordon which was not voted, the vote being "Yes," 166, "No," 237.

Article 15. On motion of George E. Horrocks, it was voted to reconsider action taken on this article.

On motion of George E. Horrocks, it was voted to raise and appropriate nine thousand dollars, (\$9,000.00) to rebuild the bridge over the railroad at Mineral Street.

Article 26. To see if the Town will vote to release George P. Abbott from the guarantee to the Town of 4% income on the cost of the extension of water main to his property on West Street and Cottage Park, or what it will do in relation thereto.

George P. Abbott and others.

Article 26. On motion of George P. Abbott, it was voted to release George P. Abbott from the guarantee to the Town of 4% income on the cost of the extension of water main to his property on West Street and Cottage Park.

Article 27. To see if the Town will vote to amend its Zoning By-Law, whether by the establishment of new zones, or by altering the restrictions with respect to existing zones, or both, so as to permit the erection of Apartment Houses in suitable districts outside of the existing business zones, or what it will do in relation thereto.

Leone F. Quimby and others.

Article 27. Leone F. Quimby moved that the Zoning By-Law and map be and the same hereby are amended as follows: By striking out in Part 1, Section 1 thereof the word "five" and inserting in place thereof the word, "six;" by inserting in said Part 1, Section 1 after subsection 2 thereof the following new sub-Section 2-A:

Apartment House Districts, (indicated by letter "A" upon said map and to be deemed a residence district for the purposes of other provisions of this By-Law); by inserting in Part 2 thereof after Section V the following new section.

Section V, "(a)" Apartment House Districts, 'A'.

- 1—Any use permitted in a multiple residence district,
- 2—Apartment houses constructed in accordance with law,
- 3—Accessory uses customary with the foregoing uses incidental thereto and located upon the same lot and as further defined in Section V—above; and by removing from the districts in which they have heretofore been placed and bringing in to the Apartment House Districts "A" the territory bounded as follows: Beginning on Lowell Street at the corner of Sanborn Street running thence along Lowell Street to Linden Street, thence turning and running on the easterly side of Linden Street for a distance of 150 feet from the said intersection of Lowell and Linden Streets, thence turning and running and following the nearest existing lot line in an easterly direction to a point 125 feet distant from Lowell Street and 125 feet distant therefrom to an intersection with Sanborn Street, thence turning and following the line of Sanborn Street to the point of beginning, also the following territory viz: so much of the land lying on either side of Woburn Street and east of the Boston & Maine Railroad crossing as has heretofore been included in the Multiple Residence District "M" to a depth of 150 feet on each side of Woburn Street.

On motion of Melville F. Weston, it was voted to refer the subject matter of this motion to the Planning Board.

Article 18. On motion of Arthur G. Bancroft, it was voted to take this Article from the table.

On motion of Arthur G. Bancroft, it was voted to indefinitely postpone the subject matter of this Article.

Article 28. To see if the Town will adopt the following By-Law, or what it will do in relation thereto:

Article 10, Section 5a: No person or persons shall sell or offer for sale any toy balloons, whistles or other annoying or noisemaking toys or appliances on Memorial Day.

Louis F. Ellenwood and others.

Article 28. On motion of Louis Ellenwood, it was voted to adopt the following By-Laws as follows:



Article 10, Section 5a. No person or persons shall sell or offer for sale any toy balloons, whistles or other annoying or noisemaking toys or appliances on Memorial Day.

Article 29. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300.00) for Child Welfare Work, to be expended under the direction of the Reading Visiting Nurse Association and the Board of Health, or what it will do in relation thereto.  
Elizabeth H. Brown and others.

Article 29. On motion of Elizabeth H. Brown, it was voted to raise and appropriate the sum of \$300.00 for Child Welfare Work, to be expended under the direction of The Reading Visiting Nurse Association and the Board of Health.

Article 30. To see if the Town will vote to raise and appropriate the sum of one hundred dollars (\$100.00), and authorize the Selectmen to appoint a director, the money to be expended by and the director to serve in co-operation with the Middlesex County Trustees for County Aid to Agriculture, in the work of the Middlesex County Extension Service, under the provisions of Section 40 to 45, Chapter 128, General Laws.  
Rolland L. Perry and others.

Article 30. On motion of Rolland L. Perry, it was voted that the Town raise and appropriate the sum of one hundred dollars and authorize the Selectmen to appoint a director, the money to be expended by and the director to serve in co-operation with the Middlesex County Trustees for County Aid to Agriculture in the work of the Middlesex County Extension Service under the provision of Section 40 to 45.  
Chapter 128, General Laws. \$100.00

Article 31. To see if the Town will vote to accept the provisions of Chapter 327 of the Acts of 1904, now General Laws, Chapter 32, Section 85, entitled "An Act to provide for the Pensioning Permanent Members of Police Department and Fire Department in Towns," or what it will do in relation thereto. Jeremiah Cullinane and others.

Article 31. On motion of Thomas E. Wall, it was voted to accept the provisions of Chapter 327, of the Acts of 1904, now General Laws, Chapter 32, Section 85, entitled: "An Act to provide the pensioning permanent members of Police Department and Fire Department."

Article 32. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500.00) for the maintenance of "Victory House," headquarters of Reading Post No. 62, American Legion, or what it will do in relation thereto.

William T. W. Underwood and others.

Article 32. On motion of William T. W. Underwood, it was voted that the sum of \$500.00 be raised and appropriated for the maintenance

of Victory House, headquarters of Reading Post No. 62, American Legion. \$500.00

Article 2. On motion of Otis B. Ruggles, it was voted to take this Article from the table.

Carl M. Spencer, Chairman of the Special Committee on Town Finance made a report on same.

On motion of Otis B. Ruggles, it was voted to accept the reports of the Town Officers, Finance Committee and Special Committee on Town Finance as printed.

The checkers reported that 511 voters were checked as admitted to the Town Meeting.

Voted to adjourn sine die.

MILLARD F. CHARLES, Town Clerk.

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## PRESIDENTIAL PRIMARY

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Security Hall, April 24, 1928.

Pursuant to the warrant and the Constable's return thereon, a Presidential Primary was held at the time and place therein specified and was called to order by the Chairman of the Board of Selectmen, Elias B. Currell. The warrant was read and the Constable's return thereon, the ballots delivered to the Presiding Officer, the ballot boxes examined and found empty and registering 0000.

The polls were duly declared open and were duly closed at 8 o'clock P. M. with the following result. Whole number of votes cast, 746. The ballot boxes showed that 748 had been registered which was incorrect as the Check Lists showed that 746 names were checked as having voted.

The Republican Party cast	700 votes,
The Democratic Party cast	46 votes

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## REPUBLICAN PARTY

### Delegates at Large

William M. Butler, 231 Commonwealth Ave., Boston	599
Frederick H. Gillett, 140 Chestnut St., Springfield	614
Channing H. Cox, 173 Beacon St., Boston	584
Eben S. Draper, Adin St., Hopedale	494
Pauline R. Thayer, Lancaster	481
Minnie R. Dwight, 387 Appleton St., Holyoke	451
Grace H. Bagley, High St., Westwood	433
Frederick L. Anderson, 169 Homer St., Newton	295
Blanks	949

**Alternate Delegates at Large**

Louise M. Williams, 3 Dean St., Taunton	498
Mary Pratt Potter, 486 Main St., Greenfield	492
Eliot Wadsworth, 180 Marlborough St., Boston	504
Frederick H. Prince, Grapevine Road, Wenham	490
Butler Ames, 333 Andover St., Lowell	523
Edwin F. Leonard, 44 Copley Terrace, Springfield	474
Raoul H. Beaudreau, 60 Pleasant St., Marlborough	453
Blanks	1466

**District Delegates, 5th Congressional District**

Charles P. Howard, 122 Summer Ave., Reading	594
Charles A. Stevens, 377 Wilder St., Lowell	489
Irving A. Priest, Landam Road, Sudbury	77
Blanks	240

**Alternate District Delegates, 5th Congressional District**

Frank M. Andrews, 51 Pleasant St., Methuen	494
Edward T. Simoneau, 24 Ellis Ave., Marlborough	449
Blanks	457

**Republican Presidential Preference**

Hoover	147
Herbert Hoover	355
H. Hoover	20
Mr. Hoover	9
Herbert J. Hoover	3
Secretary Hoover	6
Mr. Herbert Hoover	2
Lowden	3
Frank O. Lowden	1
Dawes	4
Vice-President Dawes	2
Charles E. Dawes	3
C. Coolidge	2
Calvin Coolidge	20
Alvin T. Fuller	9
Charles E. Hughes	2
Charles H. Lindbergh	1
Nicholas Longworth	1
Gov. Alfred E. Smith of N. Y.	7
Al. Smith	1
Blanks	104

**DEMOCRATIC PARTY****Delegates at Large**

David I. Walsh, 37 Day St., Fitchburg	40
James M. Curley, 350 Jamaicaaway, Boston	39
Andrew J. Peters, 310 South St., Boston	36
Charles H. Cole, 34 Gloucester St., Boston	33
Joseph B. Ely, 66 Broad St., Westfield	31
Helen A. MacDonald, 1 New Heath St., Boston	34
William J. Foley, 388 West Fourth St., Boston	35
Edward J. Kelley, 14 Gage St., Worcester	32
Lawrence F. Quigley, 867 Broadway, Chelsea	10
Blanks	78

**Alternate Delegates at Large**

Charles H. McGlue, 850 Mass. Ave., Cambridge	34
Strabo V. Claggett, 1820 Washington St., Newton	32
Joseph Santosuosso, 37 Brattle St., Boston	32
Bernard M. Wolf, 271 Dartmouth St., Boston	31
Elizabeth C. McInerney, 28 St. Albans Road, Boston	32
Dorothy Whipple Fry, 447 Warren St., Brookline	30
James A. Donovan, 16 Summit Ave., Lawrence	36
Raymond V. McNamara, 88 Fountain St., Haverhill	33
Blanks	108

**District Delegates, 5th Congressional District**

John W. Buey, 45 Wamesit St., Lowell	26
Cornelius F. Cronin, 344 Varum Ave., Lowell	32
Cornelius Desmond, Jr., 235 Stackpole St., Lowell	20
John J. Gilbride, 14 Porter St., Lowell	19
Joseph M. Halloran, 317 Chelmsford St., Lowell	14
James F. Heslin, 139 Gershom Ave., Lowell	1
Katherine F. McCarthy, 647 Market St., Lowell	26
Edward J. Rogers, 779 Central St., Lowell	17
Blanks	35

**Alternate District Delegates, 5th Congressional District**

James V. Hennessy, 170 Commonwealth Ave., Concord	26
Sarah G. Sparks, 59 Elm St., Lowell	28
Patrick J. Meehan, 48 Highland St., Lowell	28
John J. O'Connor, 161 Salem St., Lowell	31
Michael J. Kelley, 560 Broadway, Lowell	4
John P. O'Connell, 7 Everett St., Lowell	3
Henry J. Sullivan, 173 Mt. Vernon St., Lowell	8
Blanks	56

**Democratic Presidential Preference**

Gov. Alfred E. Smith	22
Al. Smith	2
Alfred Smith	18
A. E. Smith	1
Blanks	3

**SPECIAL TOWN MEETING**

Security Hall, Woburn St., July 2, 1928.

Pursuant to the foregoing warrant and the Constable's return thereon, a Town meeting was held at the time and place specified therein and was called to order by the Moderator, Hon. Charles P. Howard. The warrant was partially read by the Town Clerk when it was voted on motion of Elias B. Currell that further reading be dispensed with except the Constable's return. This was duly read.

Article 1. To hear and act on the reports of Town Officers and special committees and determine what instructions will be given town officers and special committees.

Article 1. On motion of Elias B. Currell, it was voted to lay this article on the table.

Article 2. To see if the Town will raise and appropriate the sum of two thousand dollars (\$2,000) for Aid, Board and Care, or what it will do in relation thereto.

Board of Public Welfare.

Article 2. On motion of Elias B. Currell, it was voted to raise and appropriate two thousand dollars for Aid, Board and Care. (\$2,000)

Article 3. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300) for maintenance and repairs of the Municipal Building, or what it will do in relation thereto.

Board of Selectmen.

3. On motion of Elias B. Currell, it was voted to indefinitely postpone this article.

Article 4. To see if the Town will vote to rescind the vote passed March 12, 1928, under Article 15 in the Annual Town Warrant, with reference to repair or erection of bridge over the Boston & Maine Railroad at Mineral Street, or what it will do in relation thereto.

Board of Public Works.

Article 4. On motion of Harry N. Brown, it was voted to indefinitely postpone this article.

Article 5. To see if the Town will vote to construct a new bridge of reinforced concrete and steel over the Boston & Maine



Railroad at Mineral Street, and to see how much money it will raise, by borrowing or otherwise, and appropriate therefor, or what it will do in relation thereto.

Board of Public Works.

Article 5. On motion of Harry N. Brown, it was voted to indefinitely postpone this article.

Article 6. To see if the Town will vote to accept the report of the Board of Public Works, upon the laying out as a public highway, of a private way heretofore known as Weston Road, between Bancroft Avenue, and Hanscom Avenue, such highway being laid out in accordance with plans duly approved by the Board of Survey and filed in the office of the Town Clerk, in accordance with the statutory requirements and to see if the Town will accept the public highway laid out by the Board of Public Works and heretofore known as Weston Road, between Bancroft Avenue and Hanscom Avenue, or what it will do in relation thereto.

Board of Public Works.

Article 6. Report of the Board of Public Works on laying out Weston Road, between Bancroft Avenue and Hanscom Avenue.

We, the subscribers, Board of Public Works of Reading, after giving due notice to all parties interested, have laid out for the Town as a public town way described as follows:

Weston Road, between Bancroft Avenue and Hanscom Avenue, it being a street or way situated in the Town of Reading and running westerly from Bancroft Avenue to a Town way known as Hanscom Avenue.

The southerly line of said Weston Road commences at a point twenty-eight hundredths of a foot southerly from a drill hole in a stone bound which marks a point of reverse curve in the westerly sideline of Bancroft Avenue, having a radius of 377.42 feet.

From thence the said southerly line runs on a course of S. 72 degrees 59' and 10 seconds W. a distance of 247.20 feet by land of Marcia L. Thornburn, Julia G. Noyes and Caroline M. Childs to the easterly side line of Hanscom Avenue, said point being at the end of this layout.

The northerly line of said Weston Road is parallel with and forty feet distant from the above-described southerly line and starts from a stone bound on the westerly side line of Bancroft Avenue and runs by land of R. W. Woodward, Jr. and James E. Marshall a distance of 228.81 feet to the intersection of the easterly side line of Hanscom Avenue, said point being at the end of this layout.

The above-described lines are more fully shown on a plan entitled, "Weston Road, Reading, Mass., made by Davis and Abbott, Civil Engineers, Reading, Mass.," said plan being a part of this description.

We recommend that when this report is accepted and adopted by the Town, that said way shall thereafter be known as a public Town way and named, "Weston Road."

HARRY N. BROWN, Chairman,  
SAMUEL H. DAVIS, Secretary,  
MILES C. HIGGINS,  
HAROLD W. PUTNAM,  
MARTIN B. HARTSHORN,

Board of Public Works of Reading.

On motion of Harry N. Brown, it was voted to accept and adopt the recommendation of the Board of Public Works and that hereafter this public way described above shall be known as "Weston Road."

Article 7. To see if the Town will vote to accept the report of the Board of Public Works upon the laying out, re-locating or altering the public highway at the northeast corner of Woburn and West Streets in Reading,

Article 7. Report of the Board of Public Works upon the laying out, re-locating or altering of the Public Highway at the northeast corner of Woburn and West Streets in Reading, Mass.

We, the subscribers, Board of Public Works of Reading, after giving due notice to all parties interested, have laid out, re-located or altered the public highway at the northeast corner of Woburn and West Streets in Reading:

Beginning at a stone bound on the easterly side line of said West Street, at the southerly end of a curved line the radius of which is, 825 feet as shown on a plan of said West Street as laid out by the County Commissioners in the year 1896.

From thence the area to be taken to re-locate said curve runs on a bearing of S. 13 degrees and 29' E. a distance of 30.47 feet to a stone bound marking a point of curve:

Thence on a curve to the left with a radius of 12.78 feet a length of 22.85 feet to a stone bound marking a point of tangent and situated on the northerly side line of said Woburn Street:

Thence N. 60 degrees 04' and 40 seconds E. a distance of 30.47 feet to a point of tangent on the said northerly line of Woburn Street.

Thence connecting with the stone bound first mentioned by a curve line to the right with a radius of 37.27 feet a length of 66.63 feet. Said last mentioned line runs across land of George L. Downing.

The area to be taken in rounding or re-locating said corner is 430 square feet.

Such highway being laid out, re-located or altered in accordance with plan entitled, "Proposed Widening Woburn or West Streets dated, Feb. 1928, Davis & Abbott, Civil Engineers, Reading," approved

by the Board of Public Works on June 22, 1928 and filed in the office of the Town Clerk on June 23, 1928, said plan being a part of this description.

We recommend that when this report is accepted and adopted by the Town that said public highway shall thereafter be laid out, re-located or altered in accordance with said plan and that the sum of fifty dollars be raised and appropriated for the payment of any damages in connection therewith.

HARRY N. BROWN, Chairman,  
SAMUEL H. DAVIS, Secretary,  
HAROLD W. PUTNAM,  
MARTIN B. HARTSHORN,

Board of Public Works of Reading.

On motion of Harry N. Brown, it was voted to accept the Report of the Board of Public Works on the laying out and widening of Woburn and West Streets and that the sum of fifty dollars be raised and appropriated for damages for taking of land for said widening.

(\$50.00)

Article 8. To see if the Town will raise and appropriate the sum of two hundred (\$200) dollars for the painting of the name "READING," on four sides of the Standpipe, or what it will do in relation thereto.

Board of Public Works.

Article 8. On motion of Leone F. Quimby, it was voted that the sum of two hundred dollars be raised and appropriated for the painting of the name "READING," on four sides of the Standpipe, to be painted under the supervision of the Board of Public Works. (\$200.00)

Article 9. To see if the Town will vote to remove the bandstand from the Common to provide a suitable site for permanent World War Memorial and to see if the Town will raise and appropriate the sum of five hundred dollars (\$500), for the cost of such removal, or what it will do in relation thereto.

Article 9. A motion was made by Elias B. Currell that one hundred dollars be raised and appropriated for the removal of the band stand for a site for a World War Memorial.

It was not voted.

Article 10. To see if the Town will vote to amend or revise or both its Zoning By-Laws, whether by the establishment of new zones or by altering the restrictions with respect to existing zones or both, so as to permit the erection of apartment houses in any Residence Districts, within a radius of one quarter mile from the south westerly corner of Haven and Main Streets, or what it will do in relation thereto.

Leone F. Quimby and others.



Article 10. Moved by Leone F. Quimby that the Zoning By-Laws of the Town be and the same is amended by adding to Part II, Sec. VI, Paragraph 7 thereof at the end of said paragraph the following "the same shall likewise be permitted in any district, provided the same be located in whole or part within a radius of one quarter of a mile from the southwesterly corner of Haven and Main Sts. subject in all other respects to the restrictions applicable to the district wherein the same may be located.

It was not voted.

Article 11. To see if the Town will vote to amend or revise or both, its Zoning By-Laws whether by the establishment of new zones or by altering the restrictions with respect to existing zones, or both so as to permit the erection of any type of a two family house in any Multiple Residence Districts, or what it will do in relation thereto.

Leone F. Quimby and others.

Article 11. It was moved by Leone F. Quimby that the Town amend or revise Sec. V, Part II, Paragraph 2 of its Zoning By-Laws by striking out the words, "Semi-Detached."

On motion of Henry R. Johnson, it was voted to refer the above to the Planning Board and three voters to be appointed by the Moderator and to report thereon at the next Town Meeting.

Article 12. To see if the Town will vote to amend or revise its Zoning By-Laws, by striking out in Paragraph 1, Section XVIII of part V the words, "But shall be in addition thereto."

Leone F. Quimby and others.

Article 12. On motion of Leone F. Quimby, it was voted to lay this article on the table.

Article 13. To see if the Town will vote to construct an underpass (foot passage) and an intertrack fence at the Reading Railroad Station, and to see how much money it will raise, by borrowing or otherwise, and appropriate therefor, or what it will do in relation thereto.

Reading Safety Council.

Article 13. Laura S. Gordon moved that the Board of Public Works be and they hereby are authorized to enter into in the name and behalf of the Town, an agreement with the Boston & Maine R. R. relative to the construction of an underpass for foot passage beneath the tracks of the said R. R., connecting Haven St., with Lincoln St., said agreement to be substantially in the form of draft agreement which has been prepared and submitted to and approved by said R. R., and that for the purposes of said agreement there be raised and appropriated the sum of \$14,900.00, \$4,900.00 of which shall be raised in the tax levy of the current year, and the balance of \$10,000.00 by borrowing, and the Treasurer with the approval of the Selectmen be and

he hereby is authorized to borrow the said sum of \$10,000.00 and to issue bonds or notes of the Town therefor, the same to be payable in accordance with the provisions of Section 19, Chapter 44 of the General Laws, so that the whole loan shall be paid in not more than five years from the date of issue of the first bond or note or at such earlier date as the Treasurer and Selectmen may determine, the said sum of \$14,900.00 to be expended under the direction of the said Board of Public Works in fulfilling the obligations incurred by the Town under the provisions of said agreement.

It was voted by Melville F. Weston that the question embodied in the motion now before the Town be referred to the next Annual Meeting to be decided by ballot with an appropriate modification so as to relate to the Tax levy of the then current year.

On motion of Rolland L. Perry, it was voted to indefinitely postpone Article 13.

Article 14. To see if the Town will raise and appropriate three hundred (\$300), for Board of Assessors' Expenses, or what it will do in reation thereto.

Board of Assessors.

Article 14. On motion of Otis B. Ruggles, it was voted to raise and appropriate three hundred dollars for the Board of Assessors' Expenses. (\$300.00).

The following were appointed by the Selectmen to serve as checkers on the Check List at the Special Town Meeting.

CHARLES A. SULLIVAN, JESSIE N. THAXTER,  
GEORGE L. PRATT, PHILOMENA C. DOUCETTE,

They reported that 207 voters were checked as attending the Town Meeting.

Voted to adjourn sine die.

MILLARD F. CHARLES, Town Clerk.

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## STATE PRIMARY

Security Hall, Woburn St., Sept. 18, 1928.

Pursuant to warrant and Constable's return thereon, a Primary Meeting was held at the place and at the time specified therein and was called to order by Selectman, Charles F. Trevor. The ballots were delivered to the Presiding Officer. The warrant was partially read when it was voted to dispense with further reading except the Constable's return which was duly read and the polls were declared open and were duly closed with the following result.

Whole number of ballots cast	2586
The Republican vote was	2348
The Democratic vote was	238

The votes were counted and declared in open Town Meeting with the following detailed result.

## REPUBLICAN PARTY

### Governor

Frank G. Allen, 289 Walpole St., Norwood	1600
Frank A. Goodwin, 17 Wade St., Boston	704
Blanks	44

### Lieutenant Governor

George A. Bacon, 690 Longmeadow St., Longmeadow	97
Charles Lawrence Burrill, 44 Joy St., Boston	211
Peter G. Holmes, 27 Holden St., Worcester	42
John C. Hull, 84 Grove St., Leominster	610
Robert M. Leach, 44 Harrison St., Taunton	176
Wycliffe C. Marshall, 55 Bradford Road, Watertown	21
John H. Sherburne, 92 High St., Brookline	514
William Sterling Youngman, 10 Orkney Road, Boston	520
Blanks	157

### Secretary

Frederic W. Cook, 75 Benton Road, Somerville	2081
Blanks	267

### Treasurer

Fred J. Burrell, 7 Revere Place, Medford	653
John W. Haigis, 24 Church St., Greenfield	629
J. Ernest Kerr, 249 Park St., Boston	322
Russell A. Wood, 11 Whittier St., Cambridge	492
Blanks	232

### Auditor

Dwight L. Allison, 214 Sycamore St., Watertown	140
Julia B. Buxton, 70 Woodside Terrace, Springfield	90
Roland H. Choate, 14 Webster Road, Milton	572
Alonzo B. Cook, 27 Wales St., Boston	1003
Harvey E. Frost, 77 Avon St., Somerville	98
Roswell F. Phelps, 127 Oakdale Ave., Dedham	165
Blanks	280

### Attorney-General

Clarence A. Barnes, 79 Rumford Ave., Mansfield	472
Joseph E. Warner, 52 Church Green, Taunton	1616
Blanks	260

### Senator in Congress

Butler Ames, 333 Andover St., Lowell	1050
Eben S. Draper, Adin St., Hopedale	488
Benjamin Loring Young, Newton St., Weston	654
Blanks	156

**Congressman, 5th District**

Edith Nourse Rogers, 444 Andover St., Lowell	2159
Blanks	189

**Councillor, 6th District**

Harvey L. Boutwell, 209 Summer St., Malden	1435
Joseph F. Dyer, 67 Forest St., Medford	408
Blanks	505

**Senator, 7th Middlesex District**

Joseph R. Cotton, 53 Marrett Road, Lexington	1327
Alice F. D. Pearson, 69 Clitheroe St., Lowell	783
Blanks	238

**Representatives, 13th Middlesex District**

Louis Ellenwood, 10 Gould St., Reading	1543
Edgar Norman Hunt, 130 Summer Ave., Reading	430
Robert B. Mount, 125 Ash St., Reading	1132
Wilford A. Walker, 53 Bow St., Woburn	975
Blanks	616

**County Commissioners, Middlesex County**

Nathaniel I. Bowditch, Edmands Road, Framingham	1671
Walter C. Wardwell, 465 Broadway, Cambridge	1724
Blanks	1301

**Clerk of Courts, Middlesex County**

Ralph N. Smith, 33 Gray St., Arlington	1929
Blanks	419

**Register of Deeds, Middlesex, South District**

Thomas Leighton, 55 Kirkland St., Cambridge	1920
Blanks	428

**Associate Commissioner, Middlesex County  
(to fill vacancy)**

Daniel D. Gorman, 19 Banks St., Somerville	405
Melvin G. Rogers, Whipple Road, Tewksbury	1395
Blanks	548

**State Committee, 7th Middlesex District**

Mary F. Daniel, 17 Harnden St., Reading	1707
Blanks	641

**Delegates to State Convention**

Louise B. Maxwell, 250 Main St., Reading	1910
Annie E. Patrick, 312 Main St., Reading	1908
Arthur S. Cook, 59 Bancroft Ave., Reading	1945
Harold F. Parker, 24 Pratt St.	1924
Katherine G. Howard, 122 Summer Ave.	1891
Edward B. Eames, 193 Main St.	1909
Louis Davis, 6 Vine St.	1875

Ruth W. Currier, 31 Pratt St.	1882
Grace L. Twombly, 35 Highland St.	1954
Blanks	3904

#### **Town Committee**

Mary F. Daniel, 17 Harnden St.	1841
Harold F. Parker, 24 Pratt St.	1846
Arthur S. Cook, 59 Bancroft Ave.	1846
Louis Ellenwood, 10 Gould St.	1894
A. Gertrude Killam, 16 Arlington St.	1822
Grace L. Twombly, 35 Highland St.	1846
Louise B. Maxwell, 250 Main St.	1805
Annie E. Patrick, 312 Main St.	1817
Katherine G. Howard, 122 Summer Ave.	1802
Edward B. Eames, 193 Main St.	1820
Truesdell C. Fife, 6 Union St.	1802
Helen R. Grimes, 141 Woburn St.	1811
Louis Davis, 6 Vine St.	1813
Edward E. Harnden, 195 Summer Ave.	1825
James W. Fairchild, 394 Main St.	1853
Blanks	7727

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### **DEMOCRATIC PARTY**

#### **Governor**

Charles H. Cole, 34 Gloucester St., Boston	173
John J. Cummings, 433 Adams St., Boston	40
Blanks	25

#### **Lieutenant-Governor**

John F. Malley, 188 Commonwealth Ave., Newton	117
Charles S. Murphy, 33 Commodore Road, Worcester	67
Blanks	54

#### **Secretary**

Joseph Santosuosso, 47 Brattle St., Boston	144
Blanks	94

#### **Treasurer**

James P. Bergin, 24 Klebart Ave., Webster	95
Daniel England, 175 Wendall Ave., Pittsfield	61
Blanks	82

#### **Auditor**

Strabo V. Claggett, 1820 Washington St., Newton	76
Irving Lewis, 32 Linwood St., Boston	23
Francis J. O'Gorman, 39 Cushman Road, Boston	77
Blanks	62



**Attorney-General**

Edward P. Barry, 32 Sigourney St., Boston	90
William R. Scharton, 10 Franklin St., Reading	120
Blanks	28

**Senator in Congress**

David I. Walsh, 37 Day St., Fitchburg	219
Blanks	19

**Congressman, 5th District**

Cornelius F. Cronin, 344 Varnum Ave., Lowell	105
Joseph M. Halloran, 317 Chelmsford St., Lowell	46
James F. Heslin, 139 Gershom Ave., Lowell	17
Blanks	70

**Councillor, 6th District**

Robert J. Muldoon, 24 Putnam St., Somerville	116
Blanks	122

**Senator, 7th Middlesex District**

Blanks	238
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**Representatives in General Court,  
18th Middlesex District**

Frank E. Gray, 91 Middlesex Ave., Reading	220
Daniel S. Jones, 16 Winn St., Woburn	29
James H. McLaughlin, 35 Chestnut St., Woburn	90
Blanks	137

**County Commissioners, Middlesex County**

George L. Colson, 57 Pleasant St., Wakefield	133
Daniel F. McBride, 504 Fellsway East, Malden	129
Blanks	214

**Clerk of Courts, Middlesex County**

Blanks	238
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**Register of Deeds, Southern Middlesex District**

John C. Kelleher, 8 Bigelow St., Somerville.	149
Blanks	89

**Associate County Commissioner, Middlesex County  
(to fill vacancy)**

Blanks	238
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**State Committee, 7th Middlesex District**

John J. Gilbride, 14 Porter St., Lowell	58
Jerome J. O'Leary, Swain Road, Wilmington	87
Blanks	93

**Delegates to State Convention**

Edward G. Quinlan, 228 Main St.	181
Catherine E. Reilly, 19 Middlesex Ave. Ext.	169

Joseph C. Schimpfke, 123 West St.	151
Mary E. Cummings, 41 Salem St.	160
Albert J. Wright, 23 Locust St.	158
Margaret A. Canty, 39 Mineral St.	158
Mary J. Weafer, 163 High St.	166
Millard F. Charles, 66 Bancroft Ave.	159
James E. Lewis, Park St.	160
Frank E. Gray, 91 Middlesex Ave.	192
Blanks	736

#### Town Committee

Margaret A. Canty, 39 Mineral St.	159
Owen McKenney, 116 John St.	160
Millard F. Charles, 66 Bancroft Ave.	157
Frank E. Gray, 91 Middlesex Ave.	174
James A. Waters, 9 Chute St.	152
Edward G. Quinlan, 228 Main St.	167
Catherine E. Reilly, 19 Middlesex Ave. Ext.	153
Joseph C. Schimpfke, 123 West St.	146
Mary E. Cummings, 41 Salem St.	152
Albert J. Wright, 23 Locust St.	155
Mary J. Weafer, 163 High St.	151
James H. Fleming, 18 Green St.	149
Marguerite L. Jones, 7 Warren Ave.	145
George F. A. McDougall, Lafayette Road	149
Margaret T. Lyons, 3 Vale Road	144
John J. Carney, 19 Park Ave.	139
James E. Lewis, Park St.	152
Margaret A. Thornton, 6 Minot St.	155
Blanks	1525

The votes of each party were counted separately and signed, sealed and delivered to the Town Clerk, whereupon the meeting adjourned.

MILLARD F. CHARLES, Town Clerk.

#### STATE AND NATIONAL ELECTION

Security Hall, Woburn St., Nov. 6, 1928.

Pursuant to the warrant and the Constable's return, a Town Meeting was held at the time and place mentioned therein and was called to order by the Chairman of the Board of Selectmen, Elias B. Currell. The warrant was duly read and the ballots were delivered to Chairman of the Selectmen, the ballot boxes were opened, examined and declared empty and the keys delivered to the Constable in charge, James W. Sias. The polls were duly declared open and they were

duly closed at 8 o'clock P. M. with the following result. The check lists showed that 4521 names were checked and the ballots counted by the Tellers totaled 4521 divided as follows:

**Electors for President and Vice-President**

**Workers' Party — Foster and Gitlow**

Herbert Riley of Boston (at large)	1
Robert Zeims of Boston (at large)	1
William Janhonen of Gardner	1
John Louko of Norwood	1
Herny Gage of Brockton	1
George Kraska of Winthrop	1
Emma P. Hutchins of Boston	1
Joseph Glasburg of Worcester	1
Shalom Reinstein of Chelsea	1
Adolph Suikonen of Maynard	1
Joseph Goldberg of Lynn	1
Lewis Marks of Boston	1
John Hurwitz of Boston	1
Elsie Pultur of Boston	1
Alexander Taraska of Lowell	1
Nathan G. Kay of Boston	1
Stephen Puleo of Boston	1
Boris Kleid of Boston	1

**Republican, Hoover and Curtis**

Mabel C. Batchelder of Worcester (at large)	3430
John Richardson of Canton (at large)	3430
Oscar LaMontague of Holyoke	3430
Phelps Brown of Springfield	3430
Calvin D. Paige of Southbridge	3430
George F. Booth of Worcester	3430
Raoul H. Beaudreau of Marlborough	3430
Elizabeth H. Dunham of Salem	3430
Cornelius J. Corcoran of Methuen	3430
Hildegard I. Christiansen of Belmont	3430
Frank A. Bayrd of Malden	3430
Edward G. Graves of Boston	3430
Guy W. Cox of Boston	3430
Sadie Lipner Shulman of Boston	3430
E. Mark Sullivan of Boston	3430
Adeline Ricci of Quincy	3430
Carl A. Terry of Fall River	3430
Bertha N. Packard of Fairhaven	3430

**Socialist Labor, Reynolds and Crowley**

Louis Galber of Lynn (at large)	0
Felix Manevitz of Boston (at large)	0
Patrick A. Murphy of Greenfield	0
George A. Massiotis of Springfield	0
Alonzo D. Wheeler of Westminster	0
Olof Olson of Worcester	0
John R. MacKinnon of Lowell	0
John T. Mattson of Gloucester	0
Fred E. Oelcher of Peabody	0
Peter O'Rourke of Medford	0
Daniel T. Messington of Somerville	0
Barnet Wasserman of Chelsea	0
Albert L. Waterman of Boston	0
Domenico A. diGirolamo of Boston	0
David Craig of Milford	0
John A. Nelson of Quincy	0
Harry Bently of Fall River	0
Amadee F. Vassar of Plymouth	0

**Democratic, Smith and Robinson**

Arthur Lyman of Waltham (at large)	1014
Martha R. Peters of Boston (at large)	1014
Daniel Englund of Pittsfield	1014
Ray Stannard Baker of Amherst	1014
Marcus A. Coolidge of Fitchburg	1014
Thomas J. Barrett of Worcester	1014
Humphrey O'Sullivan of Lowell	1014
Laurence P. Dodge of Newburyport	1014
Agnes F. Higgins of Lawrence	1014
Jessie Woodrow Sayre of Cambridge	1014
Melvin B. Breath of Chelsea	1014
Felix Marcella of Boston	1014
James M. Curley of Boston	1014
William J. Foley of Boston	1014
Strabo V. Claggett of Newton	1014
Frank J. Donahue of Boston	1014
Edmond P. Talbor of Fall River	1014
James P. Doran of New Bedford	1014

**Socialist, Thomas and Maurer**

Charlotte B. Hallowell of Medford (at large)	4
George E. Roewer of Cambridge (at large)	4
Vincent G. Burns of Pittsfield	4

Nelson J. West of Springfield	4
John Suominen of Fitchburg	4
Thomas J. Conroy of Worcester	4
William E. Sproule of Lowell	4
Leonard Spalding of Newburyport	4
Thomas J. Nicholson of Lawrence	4
Sylvester J. McBride of Watertown	4
Max Sandler of Chelsea	4
Reuben Guralnick of Boston	4
Lucy Lee of Boston	4
Joseph Bearok of Boston	4
Patrick J. Leonard of Brookline	4
Franklin K. Gifford of Brockton	4
Hugh Dunbar of No. Attleboro	4
Walter Barlow of New Bedford	4

**Governor**

Frank G. Allen of Norwood	3329
Chester W. Bixby of Haverhill	1
Charles H. Cole of Boston	1057
Washington Cook of Boston	7
Mary Donovan Hapgood of No. Brookfield	8
Edith Hamilton MacFadden of Cambridge	1
Stephen J. Surridge of Lynn	0
Blanks	118

**Lieutenant-Governor**

John Corbin of Worcester	9
Henry C. Hess of Boston	5
Walter S. Hutchins of Greenfield	13
John F. Malley of Newton	948
William Sterling Youngman of Boston	3308
Blanks	238

**Secretary**

Henry J. Canter of Boston	10
Frederic W. Cook of Somerville	3360
Oscar Kinsalas of Springfield	1
Joseph Santasuosso of Boston	814
Edith M. Williams of Brookline	17
Blanks	319

**Treasurer**

James P. Bergin of Webster	848
Albert Sprague Coolidge of Pittsfield	22
John W. Haigis of Greenfield	3338
Albert Oddie of Brockton	6



Charles S. Oram of Boston	3
Blanks	304

**Auditor**

John W. Aiken of Chelsea	13
Alonzo B. Cook of Boston	3164
David A. Eisenberg of Boston	8
Eva Hoffman of Boston	10
Francis J. O'Gorman of Boston	939
Blanks	387

**Attorney-General**

Edward P. Barry of Boston	897
Morris I. Becker of Boston	4
Max Lerner of Worcester	3
John Weaver Sherman of Boston	13
Joseph E. Warner of Taunton	3329
Blanks	275

**Senator in Congress**

John J. Ballam of Boston	6
Alfred Baker Lewis of Cambridge	6
David I. Walsh of Fitchburg	1221
Benjamin Loring Young of Weston	3129
Blanks	159

**Congressman, 5th District**

Cornelius F. Cronin of Lowell	777
Edith Nourse Rogers of Lowell	3459
Blanks	285

**Councillor, 6th District**

Harvey L. Boutwell of Malden	3267
Robert J. Muldoon of Somerville	814
Blanks	440

**Senator, 7th Middlesex District**

Benjamin F. Butler of Wakefield	901
Joseph R. Cotton of Lexington	3196
Blanks	424

**Representatives in General Court, 18th Middlesex District**

Louis Ellenwood of Reading	3108
Frank E. Gray of Reading	1213
Daniel S. Jones of Woburn	545
Wilford A. Walker of Woburn	2726
Blanks	1450

**County Commissioners, Middlesex County**

Nathaniel I. Bowditch of Framingham	2923
George L. Colson of Wakefield	829
Daniel F. McBride of Malden	675
Walter C. Wardwell of Cambridge	3001
Blanks	1614

**Clerk of Courts, Middlesex County**

John D. Mederios of Somerville	747
Ralph N. Smith of Arlington	3115
Blanks	659

**Register of Deeds, Middlesex, South District**

John C. Kelleher of Somerville	765
Thomas Leighton of Cambridge	3092
Blanks	664

**Associate Commissioner, Middlesex County****(to fill vacancy)**

Melvin G. Rogers of Tewksbury	3206
Blanks	1315

**Sunday Sports on the Lord's Day**

Yes	1366
No	2325
Blanks	830

**Question of Public Policy on Instruction to Senator for Repeal of the 18th Amendment**

Yes	1401
No	2321
Blanks	799

The votes were counted, sealed and delivered to the Town Clerk in open Town Meeting, whereupon the meeting was adjourned sine die.

MILLARD F. CHARLES, Town Clerk.

## NOTICE TO PARENTS, HOUSEWIVES, PHYSICIANS AND MIDWIVES

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**Your Attention is Called to the Sections Below Taken from the  
Revised Laws—Blank Forms for Return of Births Can be  
Obtained of the Town Clerk**

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### SECTION 3, CHAPTER 444, ACTS 1897

Section 3. Physicians and midwives shall on or before the fifth day of each month report to the clerk of each city or town a correct list of all children born therein during the month next preceding, at whose birth they were present, stating the date and place of each birth, the name of the child, if it has any, the sex and color of the child, the name, place of birth and residence of the parents, the maiden name of the mother, and occupation of the father. If the child is illegitimate the name of the father shall not be stated, unless at the joint request in writing of both father and mother, which request shall be filed with the returns of births. The fee of the physicians or midwives shall be twenty-five cents for each birth so reported, and shall be paid by the city or town in which the report is made, upon presentation of a certificate from the city or town clerk, stating that said births have been reported in conformity with the requirements of this section. Any physician or midwife neglecting to report such list for ten days after it is due shall for each offence forfeit a sum not exceeding twenty-five dollars.

### SECTION 6, CHAPTER 444, ACTS 1897

Section 6. Parents and householders shall within forty (40) days after the date of a birth occurring in his house give thereof or cause such notice to be given to the clerk of the city or town in which such child is born.

MILLARD F. CHARLES, Town Clerk.

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## HUNTING AND FISHING LICENSES IN 1928

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252	Sporting Licenses @ \$2.25 .....	\$ 567.00
20	Trappers' Licenses @ \$2.25 .....	45.00
1	Non-Resident Sporting Licenses @ \$2.25 .....	2.25
26	Minors' Trapping Licenses @ 75c. ....	19.50

2 Duplicate Licenses @ 50c. ....	1.00
Total receipts .....	\$ 634.75
299 Licenses at 25c., Town Clerk's fee .....	74.75
Balance due Fish and Game Commission .....	\$ 560.00
1928 Paid Fish and Game Commission:	
April 20 Paid .....	\$ 6.00
May 8 Paid .....	62.00
June 5 Paid .....	48.00
July 3 Paid .....	54.00
Aug. 7 Paid .....	30.00
Aug. 11 Paid .....	99.00
Sept. 5 Paid .....	24.00
Oct. 3 Paid .....	52.50
Nov. 8 Paid .....	138.50
Dec. 5 Paid .....	45.50
Jan. 19 Paid .....	.50
	\$ 560.00
MILLARD F. CHARLES, Town Clerk.	

### DOGS LICENSED DURING YEAR 1928

Jan. 1, 1928:	
350 Male dogs licensed @ \$2.00 .....	\$ 700.00
58 Female dogs licensed @ \$5.00 .....	290.00
1 Kennel license @ 25.00 .....	25.00
Total Receipts .....	\$ 1,015.00
409 Licenses at 20c., Town Clerk's fee .....	81.80
Paid County Treasurer .....	\$ 933.20
Dec. 1, 1928	
155 Male dogs licensed @ \$2.00 .....	\$ 310.00
45 Female dogs licensed @ \$5.00 .....	225.00
1 Kennel license @ \$50.00 .....	50.00
Total Receipts .....	\$ 585.00
201 Licenses at 20., Town Clerk's fee .....	40.20
Paid County Treasurer .....	\$ 544.80
Total Paid County Treasurer .....	\$ 1,478.00
MILLARD F. CHARLES, Town Clerk.	

## BIRTHS REGISTERED IN TOWN OF READING FOR YEAR 1928.

Date	Name	Parents
Jan.		
1	Robert Daniel Griffin	John J. and Margaret D.
2	Ella May White	Harry E. and Nellie H.
4		
5	William Henry Lee	William H. and Mildred C.
9	Philip Keleer Sawyer	Frederick D. and Harriet F.
10	Marion Evelyn Muse	Benjamin and Sylvia D.
11	Stuart Sargent MacLeod	Herbert W. and Katherine B.
17	Joseph Willard Comeau	Joseph A. and Mary C.
17	Raphnel Forest Staples	Malcolm L. and Margaret N.
18	Natalie Elizabeth Davis	Victor H. and Madeline H.
18	Ann Doris Waldron	Harry E. and Clara L.
19		
24	Elizabeth Claire Brown	Francis X. and Elizabeth P.
25	George Robert White	John T. and Harriet P.
28	Harold Frank Lewis	Frank A. and Edna S.
Feb.		
1	Edward Leo Surette	Leo A. and Alethea A.
3	Charles Merle Farr	Merle W. and Edna G.
4	Lorraine Rita LeFave	John L. and Mabel D.
7	Mildred Charlotte Heselton	Robert M. and Mary C.
12	Katherine Ann Geary	Paul and Katherine S.
13	Carolyn Faith Nichols	Elmer B. and Rena F.
16	Anne Mitchell	John and Bertha B.
17	Richard George Franklin	Benjamin and Alida A.
22	Edith Ann Meuse	Dennis L. and Rose D.
23	Muriel Elaine Castine	Clarence E. and Kathryn T.
26	Ernest Garcelon Babcock, Jr.	Ernest G. and Florence F.
27	Barbara Eloise Flint	Russell A. and Bernice S.
28	Barbara Jeanne Cox	Raleigh E. and Beatrice B.
29	Lawrence William Celford	Alfred J. and Annie B.
Mar.		
3	John Henry LeFave, Jr.	John H. and Geneva C.
7	Charles Hubert Winn	Charles H. and Agnes D.
9	Irene Helen White	Adrian and Mary H.
10	Anne Frances Halloran	Martin J. and Alice H.
13	Joan Gibson	Frederick B. and Effie B.
16	Dorothy May Sullivan	Charles H. and Mary D.
18	Ethel Ann Burbine	J. Edward and Rose D.
24	Agnes Mary Arsenault	John R. and Matilda D.



## BIRTHS REGISTERED IN TOWN OF READING FOR YEAR 1928

Date	Name	Parents
26	Russell Francis Pollitz	Otto F. and Merle R.
27	Bernard William D'Entremont	Edmund and Mary D.
28	Dexter Warren Jacobs	Joseph J. and Sarah S.
29	Dorothy Lee Conron	Arthur L. and Dorothy B.
29	Laura May Muse	Peter and Mary A.
31	Finley Hugh Chisholm	Hugh J. and Violet S.
Apr.		
2	George Paris Walls	Francis S. and Suzanne P.
4	Eleanor Augustine Doucette	Louis A. and Frances M.
4	Charles Newcomb Rogers	Harold M. and Hattie N.
10	Mary Eva Doucette	Charles H. and Eva D.
13	Kenneth Douglas Downs	Benjamin J. and Marian B.
13	Paul Joseph Nunes Silva	Joseph and Dorothy S.
16	Earl Edward Angus Martin	Edward H. and Lucy M.
19	Mildred Elizabeth Flewelling	Russell S. and Mildred S.
20	Earl Edwin Opland	Alfred W. and Lillian S.
23	Cortland Westey Moore	Myron M. and Ethelwyn F.
28	Robert Eliot Meekins	Edward E. and Olga N.
29	George Ives Philbrook	Verne H. and Viola S.
May		
1	Warren Herbert Steeves	Herbert B. and Emma H.
5	Paul Everett Grant	John E. Jr. and Florence T.
7	Salvatore Cammarata, Jr.	Salvatore and Rose F.
8	Edward Wright	Albert J. and Catherine B.
10	Elizabeth Loretta Hickey	George T. and Elizabeth M.
11	Hugh Edward Campbell	William H. and Mary G.
11	John Francis O'Donnell	Michael J. and Madeline C.
12	Howard Arthur Ferreira	Ralph A. and Frances E.
12	Shirley Naomi Humphrey	George A. and Fleda B.
13	Joseph Lawrence Doucette, Jr.	Joseph L. and Mary A.
17	Carl Richmond Woodward	Richmond W. Jr. and Elsa S.
19	Mary Elizabeth Noonan	Edward M. and Delia M.
21	Walter Arthur Dagdigian	Aaron and Elsie S.
21	Ruth Anne Horrigan	Michael B. and Grace C.
21	Donald Marchetti	Hugo H. and Helen W.
22	Rena Frances Doucette	Edward and Marion M.
27	Priscilla Davis	Louis and Priscilla T.
28	Pamela Caroline Schindler	Frederick and Elizabeth M.
29	Lois Telfer	Harold C. and Hilda W.
31	Frederick Lee Douglass, Jr.	Frederick L. and Katherine L.

## BIRTHS REGISTERED IN TOWN OF READING FOR YEAR 1928

Date	Name	Parents
June		
1	Sally Jeannette Decie	William H. and Georgiana F.
7	Richard Mouser	George T. and Bessie H.
8	George Joseph Ingalls, 3d,	George J. and Meta B.
8	Richard Adolph LeBlanc	Louis J. and Lena W.
10	Barbara Joyce Lowell	Robert D. and Lillian H.
11	Malcolm Earle MacLeod	Everett W. and Mildred R.
12	Ernest Stewart Hickman, Jr.	Ernest S. and Mildred L.
12	Robert Philip Lyle, Jr.	Robert P. and Ruth G.
13		
18	Barbara Elizabeth Sargent	Frank H. and Gertrude R.
29	Virginia Sears	Fred L. and Laneta P.
30	Caroline Frances Smalley	James J. and Elizabeth H.
July		
3		
3	Richard Earle Tower	Lorne W. and Christine S.
6	Eleanor Johnston Burbank	Thomas and Euphemia J.
7	Catherine Mary Doucette	Jeffrey and Catherine D.
10	Beatrice Doucette	Harvey and Beatrice M.
12	Mary Frances Curtin	Arthur M. and Margaret G.
17	Patricia Claire Brogan	Edwin A. and Hilda C.
17	Patricia Mary Hoyt	Carl H. and Florence D.
19	Maurice Henry Donegan	Maurice H. and Doris B.
22	Richard Bemis Brown	John Stanley and Alice M.
24	Avery	Edwin H. and Lillian C.
25	Ruth Mildred Seaman	Frank T. and Ruth G.
31	Richard Walter Henderson, 2d.	Richard W. and Irene M.
31	Lea Helen Surette,	Mathew and Bertha W.
Aug.		
4	Merton Henry Peters	Joseph L. and Marie P.
5	Adelbert Leo D'Entremont	Pius L. and Esther D.
14	Jean Elizabeth Murdock	Malcolm W. and Mary K.
14	Lawrence Hunt Parker, Jr.	Lawrence H. and Grace W.
15	Richard Johnson	William J. and Georgina D.
15	Josephine Helen Moore	Albert G. and Mary F.
16	Muse	Louis and Helen L.
24	Pastora Chase	Carll S. and Eleanor Upton
26	Irene Frances Brewer	Frederic, Jr. and May S.
27	Paul Edward Hatfield	William and Edna W.
30	Mary Louise Holcomb	Charles A. and Edith W.

## BIRTHS REGISTERED IN TOWN OF READING FOR YEAR 1928

Date	Name	Parents
Sept.		
1	Catherine Olga Gaw	George D. and Jennie C.
2	Laura May Livingstone	Kenneth R. and Elizabeth L.
3	Marjorie Lois Nickerson	Frank A. and Marjorie G.
4	Hatfield	John M. and Florence C.
7	Richard William Meuse	Henry J. and Minnie D.
12	Catherine Theresa Slack	Frank T. and Mary D.
16		
18	Lawrence Scott Webster	Lee H. and Alice L.
19	Francis Quinlan	John J. and Mary D.
25	Ruth Elaine Chandler	Myron K. and Dorothy S.
25	Jean Carolyn Metcalf	Harold R. and Winifred S.
26	Donald Brown Kimball	Walter B. and Marie B.
27	Theresa Madeline Squires	George S. and Theresa T.
27	Joseph Donald Surette	Reuben I. and Maud Doucette
Oct.		
2	Frederick Francis Walsh	David J. and Elizabeth C.
3	Ignatius Manuel	James and Freda J.
5	Emily Fitzgerald	Maurice and Pauline D.
5	Mildred Fitzgerald	Maurice and Pauline D.
7	Mildred Emma Pepe	Joseph and Mary M.
9	Edward Chester Baxter	Edward C. and Winifred M.
10	Lucia Rossetti Diaz	Raymond R. and Conception D.
14	Marilyn Frances Hatch	William H. and Ida N.
19	Anne Veronica O'Keefe	Daniel J. and Bridget M.
21	Albert Edwin Merrill, Jr.	Albert E. and Mary A.
25	Dorothy Jones	William F. and Marguerite H.
26	Marilyn Dill	George E. and Gladys R.
30	Joseph Bella	Samuel and Mary A.
31	Joan Batting	Joseph R. and Frances S.
Nov.		
1	Joan Desmond	Daniel J. and Helen T.
2	Ralph Aubrey Bedley	Freeman A. and Catherine F.
9	John Richard Tebeau	George and Irene D.
15	Kenneth Franklin Florence	William E. and Edith B.
15	Patricia Ann Thorburn	Robert H. and Dorothy M.
19	Jean Moore Cleary	Raymond Hanson and Hazel S.
23	Jean Whitcomb	Frederick R. and Georgia C.
24	James Edward Gillespie	Charles H. and Julia C.
26	Barbara Jane Andrews	Jacob S. and Beatrice S.
27		
28	Robert Dennis Ameriault	Joseph and Jeannette M.

## BIRTHS REGISTERED IN TOWN OF READING FOR YEAR 1923

Date	Name	Parents
Dec.		
1	Donald Peter Roberts	William and Mary Q.
6	Louis Kenneth Runge	Louis B. and Mildred C.
9	Donald Paul Stratton	Charles P. and Ruth L.
15	Charles Edward Runge	Carl O. and Dorothy S.
27	William John McCoy, Jr.	William J. and Edna H.
28	Robert Edward Dacey	Frederick F. and Alexina Z.

## BIRTHS REGISTERED IN READING FOR PREVIOUS YEARS

1927

May

19	Lloyd Ward Harrison	John W. and Bertha W.
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## MARRIAGES REGISTERED IN TOWN OF READING FOR YEAR 1928

Date	Names	Age	Occupation	Residence
Jan.				
1	Bruce C. S. Swasey	26	Mechanic	Salem
	Dorothy G. Andrews	16	At Home	Salem
17	Walter Brownell Knutton	21	Student	Longmeadow, R. I.
	Viola Gladys Hamilton	18	Stenographer	Warwick, R. I.
21	Carmen R. Rushton	22	Florist	Reading
	Dorothy F. Heselton	18	At Home	Reading
26	Samuel Bella	31	Barber	Reading
	Mary Amireault	20	Seamstress	Reading
29	William Joseph Donegan	33	Plumber	Wakefield
	Alice Margaret Donegan	27	Mill Worker	Reading
Feb.				
18	George Arthur Jack	27	Stationary Fireman	Brookline
	Alice Gertrude Tebeau	18	At Home	Reading
19	Jacob Woodward Manning	62	Landscape Architect	Cambridge
	Ethel Frances (Belknap) Guild	44	Nurse	Reading
19	Frank F. Marchetti	28	Metal Worker	Reading
	Vivian L. (Stuart) Constantine	28	Nurse	Boston
Mar.				
1	George L. Gilman	62	R. R. Conductor	Reading
	Blanche E. (Dowley) Corning	58	Housework	Reading
13	Ellis George Walker	22	Painter	Reading
	Frances Boudreau	22	Coat Maker	Reading
17	Joseph Nunes Silva	21	Leather Worker	Peabody
	Dorothy Harriet Jones	20	At Home	Reading
24	Alexander Taylor Mitchell	23	Clerk	Lawrence
	Dorothea Beatrice Davis	18	At Home	Reading
25	Frank Leason Doucette	19	Machine Operator	Reading
	Ruth Frances Doucette	17	At Home	Reading
Apr.				
6	George Kelso	24	Market Gardener	Reading
	Florence Evelyn Huxtable	19	Typist	Somerville
8	John William Kelley	31	Clerk	Reading
	Marie Cathleen Fisher	23	Bookkeeper	Somerville
8	Philip Henry O'Brien	24	Mechanic	Reading
	Eva Agnes Letourneau	18	Waitress	Stoneham
9	Myron E. Barnes	25	Dairyman	Lynn
	Olive G. Morang	26	Stenographer	Lynn
14	Robert Malcolm Brown	27	Paying Teller	Reading



## MARRIAGES REGISTERED IN TOWN OF READING FOR YEAR 1928

Date	Names	Age	Occupation	Residence
28	Greta Clarabel Simpson	29	Stenographer	Allston
	Jacob Sherman Andrews	22	Student	Gloucester
	Beatrice Lillian Sears	17	Student	Reading
May				
1	Robert H. Thorburn	24	Foreman	Salem
	Dorothy L. Mountain	24	Clerk	Boston
28	Lawson Edward Jeanes	17	Auto Business	No. Reading
	Doris Mabel Hutchinson	19	At Home	Reading
28	Julius Zanni	32	Contractor	Reading
	Caroline Frances (Gilligan) Flint	32	At Home	Wakefield
June				
6	Joesua Aubrey Meuse	31	Engineer	Medford
	Annie Celena Saulnier	27	At Home	Reading
9	Frederick James Emerson	22	Millman	Reading
	Ruth Christabel Burrows	20	Bookkeeper	Reading
16	Arthur Henry Bowe	41	Painter	Haverhill
	Pearl E. (Orde) Johnson	41	Nurse	Reading
17	Frank H. Bonneau	47	Barber	Reading
	Jennie (Pendrick) Meuse	41	At Home	Reading
17	Charles Herbert Choate	21	Mechanic	Reading
	Violette Ethel Barnes	20	Hairdresser	Malden
17	Charles Maurice Cullinane	40	Truckman	Reading
	Stella Mary Nevin	30	Domestic	Somerville
17	John Francis Thornton	31	Tel. Cableman	Reading
	Grace Gertrude Matthews	32	Stenographer	Stoneham
18	William Patrick Fitzgerald	30	Plumbing & Heating Contractor	Dorchester
	Florence Marie Kelley	22	Stenographer	Reading
19	Thenna Perley Fancy	35	Inspector	Watertown
	Marion Josephine Currier	26	Secretary	Watertown
19	Milton Baneroft Viall	23	Asst. Sales Manager	Reading
	Jennie Louise Gaw	21	Typist	Reading
20	Lewis Quimby Smith	35	Merchant	Reading
	Lillian Eleanor Field	28	At Home	Reading
23	Francis G. Buzzell	25	Farmer	Fryeburg, Maine
	Irene E. Coburn	28	Teacher	Reading
23	James Melvin MacDearmid	21	Clerk	Stoneham
	Rena Stanley French	21	At Home	Reading
23	George Frederick Rogers	26	Machinist	Beverly

## MARRIAGES REGISTERED IN TOWN OF READING FOR YEAR 1923

Date	Names	Age	Occupation	Residence
	Catherine Annie Meuse	25	At Home	Reading
26	Lawrence Drake Harvey	22	Broker	New Haven, Conn.
	Emelie Marie Kramp	24	At Home	New Haven, Conn.
28	Braman Boyd Platts	23	Chemist	Reading
	Miriam Loring	24	At Home	Reading
30	Leo E. Croteau	26	Teacher	South Hero, Vt.
	Helen G. Quinlan	32	Teacher	Reading
30	Frederick D. Sperry	77	Furniture Dealer	Reading
	Katherine L. Remick	67	At Home	Concord, N. H.
30	Alexander Payne Stewart	20	B. & M. R. R. Signal Dept.	Reading
	Rose Meuse	26	Housework	Reading
30	Donald C. Streever	22	Merchant	Ballston Spa, N. Y.
	Deris M. Temple	21	At Home	Reading
July				
8	Dominick Zanni	30	Contractor	Reading
	Marie Fulgoni	21	Millhand	Boston
12	Harry A. Jackson	47	Draughtsman	Lynn
	Dicah J. Reville	45	At Home	Lynn
14	George Albert White	31	Garage Erector	Reading
	Phyllis Kimball Wiggin	27	At Home	Stoneham
16	Michael Ernest Hardy	37	Electrical Mach.	Glance Bay, N. S.
	Dana Patricia McMillan	28	Registered Nurse	Reading
20	Walter William Foley	21	Millhand	Wakefield
	Estelle Mary LeFave	19	At Home	Reading
26	Charles Burleigh Horton	22	Treasurer	Reading
	Mildred Florence Ellis	22	Interior Decorator	Swampscott
29	William Frederick Turner	22	Clerk	Stoneham
	Gertrude Evangeline Surette	21	At Home	Reading
Aug.				
4	Sidney Knowles Horton	24	Salesman	Reading
	Zelma Cloutier	22	Stenographer	Boston
4	Herbert Claude Towle	25	Asst. Purchasing Agent	Reading
	Helen May Hamilton	24	Bookkeeper	Salem
7	Arthur Thomas Griffiths	41	Carpenter	Reading
	Marton Hortense (Surette)			
	Brown	35	Nurse	Reading
11	Russell Willis Davis	37	Bond Salesman	Reading
	Winonah Grindle Nay	31	Clerk	Belmont
12	Jacob Menovich	23	Shipper	Reading
	Fannie Cheifitz	26	Clerk	Wilmington

## MARRIAGES REGISTERED IN TOWN OF READING FOR YEAR 1923

Date	Names	Age	Occupation	Residence
17	Simon Muise	32	Woodworker	Reading
	Sarah Doucette	23	Housework	Reading
18	Edward John Hennesey	23	Leather Worker	No. Reading
	Gertrude Johanna Mattison	22	Stenographer	No. Reading
18	Neil Cooley Robinson	24	Clerk	Arlington
	Marion Ruth Starke	23	Teacher	Reading
30	Charles Peterson	66	Retired	Reading
	Alma (Lofgren) Thenser	63	At Home	Reading
Sept.				
1	Salvatore Palumbo	28	Fruit Business	Wakefield
	Margaret Marie Baker	28	At Home	Malden
2	Martin Wilfred Beaudreau	21	Plumber's Helper	Arlington
2	Corinne Jeannette Melanson	19	Finisher	Reading
2	Martin Joseph Kinnane	34	Manager	Reading
	Mary Frances Rogers	29	Stitcher	Winchester
2	Harold Melanson	24	Shoe Worker	Reading
	Helen Joyce	28	Clerk	Chelsea
5	William Henry Becker	66	Salesman	Reading
	Frederica Lucy Knight	34	Housework	Reading
5	Philip Elwin George	27	Mechanic	Reading
	Mildred (Cahoon) Luetters	24	Waitress	Newburyport
5	Philip Augustus Nelles, Jr.	31	Mechanical Engineer	Lexington
	Mary Alice Boley	27	Housekeeper	Reading
8	Roger Marvin Blod	26	Chemist	Reading
	Margaret Frances Cochrane	27	Secretary	Lexington
8	Gerald Edward Fitzgerald	30	P. O. Clerk	Reading
	Margaret Ann Curtis	31	Sales Clerk	Charlestown
10	Charles Francis Parrett	25	Merchant	Reading
	Ruth Lord Reeves	26	Clerk	Reading
15	Louis Edward Millett	25	Machinist	Reading
	Josephine DeMarco	19	Millhand	Wakefield
15	Benjamin Franklin Murphy	40	Compositor	Reading
	Mildred Louise Curtis	27	Bookkeeper	Reading
17	Stephen Everett Farrer	26	Laborer	Reading
	Cora Publicover	24	Maid	Reading
18	Thomas J. Carroll	22	Chauffeur	Boston
	Helen J. McCarthy	19	Housework	Reading
19	Frank Cyril Lewis	33	Farmer	Townshend, Vt.
	Anna Lois Boynton	45	Teacher	Pepperell
22	Charles Nichols Chase	24	Florist	Reading
	Evelyn Cornelia Anderson	21	Stenographer	Reading

## MARRIAGES REGISTERED IN TOWN OF READING FOR YEAR 1928

Date	Names	Age	Occupation	Residence
22	Robert Gaw	50	Operator	Reading
	Lottie R. (Horne) Zwicker	52	Teacher	Reading
26	William Andrew Herbolzheimer	25	Insurance Salesman	Reading
	Hattie Anna Geweniger	29	Payroll Clerk	Malden
29	Gordon Graham Stewart	26	Milk Foreman	Wakefield
	Hazel May Crafts	23	Pianist	Reading
Oct.				
2	Charles Proven Deyarmend	31	Iceman	Melrose
	Harriett Isabelle Wentzell	30	Teacher	Melrose
12	Lawrence Fairman Southwick	25	Clerk	Reading
	Frances Ellen Symonds	27	At Home	Reading
17	Roy McKinley Hughes	27	Submarine Service	Woodstock, Ga.
	Anona Lucia Stafford	23	At Home	Reading
20	Herbert Elwin Mosher	22	Salesman	Reading
	Frances Margaret Wilson	25	Asst. Bookkeeper	Reading
27	Richard Abbott Bean	29	Civil Engineer	Everett
	Susan Dorothea Soule	24	Musician	Reading
27	Edward Anthony Ryan	31	Asst. Sales Manager	Medford
	Gladys Bearse Horton	34	At Home	Reading
Nov.				
12	George Franklin Pierce	48	Secretary	Dalton
	Marion Louise Burns	35	At Home	Pittsfield
17	Donald Jonathan MacDonald	23	Mdse. Manager	Providence, R. I.
	Rita Sinclair Chamberlain	21	Clerk	Reading
28	Joseph Hildebert Doucette	22	Millhand	Reading
	Julia Annie Doucette	27	Tailoress	Reading
29	Charles S. Hamilton	75	Carpenter	Middleton
	Rebecca McLaughlin	52	At Home	Middleton
29	Frank W. Young	59	Tailor	Reading
	Florence (Parker) Atwood	49	At Home	Reading
Dec.				
8	Clarence Earl Nutter	29	Mechanic	No. Reading
	Dorothy Winifred McClintock	19	Stenographer	Reading
15	George Frederick Malcolm	54	Importer	Harrison, Maine
	Jennie May Clark	48	At Home	Reading
17	Joseph Collins Brown	63	Carpenter	Reading
	Florence Nellie Irving	39	Housekeeper	Reading

## DEATHS REGISTERED IN TOWN OF READING FOR YEAR OF 1928

Date	Name	Y	M	D	Cause of Death
<b>Jan.</b>					
1	George F. Harrow	44	—	—	Bright's Disease
2	Edward F. Clancy	68	1	25	Cancer
4					
4	Annie M. Morrison	19	10	21	Tuberculosis
6	Annie R. Moran	53	4	14	Myocarditis
10	Anna M. Cederberg	90	11	13	Arterio Sclerosis
10	Johanna Hurley	83	5	26	Pneumonia
10	William MacDonald	57	11	22	Arterio Sclerosis
17	Mary Gabriel	64	—	—	Heart Disease
17	Sarah E. Wilkinson	89	7	—	Gangrene
20	Natalie Elizabeth Davis	0	0	2	Malformation
28	Mary Louise Doucette	36	6	—	Uraemia
30	Arthur E. Baker	67	5	—	Hemorrhage
30	Charles E. Stickney	73	4	12	Carcinoma
31	Charles S. Chadbourne	72	5	10	Myocarditis
<b>Feb.</b>					
1	Ellen M. Bancroft	86	5	17	Heart Disease
8	Lawrence Haven	81	—	—	Arterio Sclerosis
8	Ward C. Mansfield	71	8	19	Angina Pectoris
14	Charles L. Channell	69	1	20	Carcinoma
23	William H. Kingman	75	1	9	Arterio Sclerosis
27	William E. Williams	33	7	10	Uraemia
28	Charles F. Myers	68	4	16	Myocarditis
29	Lydia Maria Howard	88	2	3	Bronchitis
<b>Mar.</b>					
4	Patrick J. Flynn	64	—	—	Accidental Fall
4	George A. Getchell	64	8	25	Angina Pectoris
4	Elizabeth Grant	53	—	—	Cancer
6	Johanna Leary	70	—	—	Myocarditis
7	Emil A. Frotten	27	—	—	Perforation of Oesophagus
7	John H. Grant	67	4	21	Cancer
12	Henry House McDonough	69	10	21	Cardio Vascular Disease
13	Charles E. Gentner	64	8	19	Hemorrhage
15	Harriet C. Goodhue	77	3	7	Myocarditis
15	Adelaide R. Weston	83	4	22	Diarrhoea
18	Lillian Williams	13	9	19	Septicemia
21	Ella F. Studley	78	8	17	Heart Disease
25	Lillian G. Campbell	22	7	22	Apoplexy
26	Mabel L. Nutter	52	8	3	Tumor



## DEATHS REGISTERED IN TOWN OF READING FOR YEAR OF 1923

Date	Name	Y	M	D	Cause of Death
28	Mary J. Reed	60	—	—	Cholecystitis
29	Zelpha Thayer	85	6	17	Gastritis
31	Annie L. Brown	39	9	15	Thrombosis
Apr.					
1	Anna M. Higgins	75	3	2	Angina Pectoris
1	Alfred Jackson Wiggin	70	2	28	Myocarditis
5	Edward F. Whitton	34	—	9	Hemiplegia
9	Charles C. Wright	62	6	20	Pneumonia
11	Herbert H. Roberts	70	6	25	Hemorrhage
13	Edward P. Nostrand	63	—	—	Dilatation of Heart
22	Mary A. (Johnson) Gowing	96	—	—	Erysipelas
22	Ellen Vermille	89	3	14	Myocarditis
23	Nancy Fuller	74	5	6	Intestinal Obstruction
23	Emma S. Knowles	68	11	24	Arteric Sclerosis
27	Margaret A. Buxton	73	9	3	Bronchitis
27	Arthur E. Day	50	5	7	Hemorrhage
28	John J. Timmerman	42	11	—	Hodgkins Disease
May					
12					
12	Mary S. J. Lane	74	3	5	Myocarditis
15	Philip H. Reilly	55	—	—	Carcinoma
18	William R. Livingston	33	3	25	Heart Disease
19	James A. J. Brady	53	7	20	Carcinoma
20	Mary F. Bartlett	68	11	10	Hemorrhage
20	George A. Sargent	84	8	1	Heart Disease
21	Solomon Davis	81	5	16	Myocarditis
25	Emily S. Wooldridge	73	4	15	Apoplexy
25	Edward Wright	0	0	17	Pneumonia
26	Elmer G. Legro	49	—	—	Cirrhosis
29	Margaret Sullivan	78	—	—	Myocarditis
June					
1	David W. Pratt	81	1	7	Angina Pectoris
6	Hobart H. Crowell	23	4	27	Pleurisy
8	Susan K. Barr	74	7	8	Angina Pectoris
20	Hattie Marie Cady	71	8	9	Cardiac Dilatation
21	George E. Sears	72	0	18	Angina Pectoris
24	William B. Randall	76	9	4	Nephritis
28	Eliza Walker Ferguson	74	2	6	Carcinoma
28	George P. Abbott	62	11	25	Pneumonia

## DEATHS REGISTERED IN TOWN OF READING FOR YEAR OF 1928

Date	Name	Y	M	D	Cause of Death
July					
3					
5	George F. Wadsworth	79	2	25	Pneumonia
8	Melvina B. Parker	80	—	10	Hemorrhage
9	Daniel E. Ellis	21	2	11	Hemorrhage
13	Caroline A. Badger	76	3	29	Nephritis
23	William J. Lawn	80	2	23	Sepsis
23	Henry J. Wilson	61	6	28	Dementia Paralytica
29	Richard Rogers	0	1	14	Syphilis
Aug.					
1	Jane H. Aymar	79	1	9	Carcinoma
7	Sarah Priest	79	5	2	Myocarditis
12	John A. McDavitt	48	10	—	Nephritis
13	Harlan J. Hook	19	8	24	Appendicitis
17	Lydia J. Milne	72	1	23	Myocarditis
17	Eleanor May Runge	4	11	2	Infection
23	Ella L. Gaw	40	7	10	Syncope
27	Marie Asnault	2	9	14	Diarrhoea
29	William B. Laxton	81	—	—	Carcinoma
Sept.					
4	Judson P. Cook	55	5	19	Abscess
6	Willis Norton Kimball	56	5	14	Hemorrhage
12	Varter Dagdigian	53	7	10	Angina Pectoris
12	Mary McGrath	100	—	—	Arterio Sclerosis
16					
19	Ida B. Tilton	73	9	10	Carcinoma
23	Stewart S. Bell	54	2	8	Angina Pectoris
24	Florence Hanson Spear	36	0	24	Septicemia
29	Charles F. Doughty	46	6	6	Tuberculosis
Oct.					
1	Albert J. Francis	70	4	25	Hemorrhage
1	Harrison H. Parker	80	1	13	Heart Disease
2	Edward T. Wall	70	2	—	Bullet Wound
3	Bessie W. Mouser	36	—	—	Pneumonia
14	Charles F. Hayes	41	7	20	Tuberculosis
14	Belle L. Ruggles	63	7	17	Carcinoma
22	Frank P. Hobby	16	9	27	Heart Disease
26	Sadie Richardson	61	6	23	Embolus
27	Martha Ella Currier	56	7	23	Cholecystitis

## DEATHS REGISTERED IN TOWN OF READING FOR YEAR OF 1928

Date	Name	Y	M	D	Cause of Death
28	Anna Rhoda Niles	72	11	—	Hemorrhage
31	Charles F. Ranney	76	10	23	Pneumonia
Nov.					
16	Margaret Perkins	53	—	—	Pneumonia
19	Sylvia Muse	81	2	—	Myocarditis
22	Sarah S. Arzigian	60	—	—	Carcinoma
23	Jean Whitecomb	—	—	5	Hours. Malformation
27					
28	Lorie F. Porter	52	—	—	Alcoholism
29	David A. Childs, Jr.	11	10	22	Pneumonia
30	Charlotte E. Ferguson	78	8	30	Fracture of Hip
Dec.					
1	Sarah J. Tufts	83	2	13	Apoplexy
5	Winifred Hackett	69	—	—	Pneumonia
5	Jennie Mackie	67	—	—	Oedema
9	Elizabeth Doucette	12	1	—	Peritonitis
10	Horace S. Blake	86	—	—	Arterio Sclerosis
11	Herman J. Dissele	46	1	5	Cardiac Dilatation
13	Anne Louisa Smith	80	2	18	Myocarditis
14	William J. St. Louis	64	8	6	Myocarditis
20	Janet B. Bancroft	58	—	—	Heart Disease
22	James O. Carter	91	1	—	Apoplexy.

## REPORT OF SELECTMEN AND BOARD OF PUBLIC WELFARE

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To the Citizens of Reading:

We herewith submit the annual report of the Boards of Selectmen and Public Welfare:

The first meeting following the annual election was held March 9, 1928, and organization was as follows: Elias B. Currell, Chairman; Charles S. Hasty, Secretary; Charles F. Trevor. L. G. Bent was appointed Clerk. Miss Helen A. Brown was appointed Visitor for Welfare Board.

Regular weekly meetings and sixteen special meetings were held during the year.

Seven hearings were held on applications for gasoline permits, four of which were for increased capacity, three for filling stations, one of which was granted and two were refused. One hearing was held for a garage and one for a two story building. Seven Second-hand Motor Vehicle licenses, seven Amusement licenses, two Bus licenses, two Bowling Alley and Pool Room licenses, one Theatre license, four Peddler's licenses, two Auctioneer's licenses, one Inn-holder license, one 3rd class Liquor license, forty-six Revolver licenses, eleven transfers, thirty-five Lord's Day licenses, twenty-nine Victualer's licenses, six Taxicab licenses, two Junk Dealer's licenses, twenty-three Express & Trucking licenses were also granted.

A new traffic booth was installed in Reading Square during the month of August, 1928 giving the traffic officer on duty there improved weather protection. This was sanctioned by the State Board of Public Works who had previously requested that every municipality in the Commonwealth co-operate with it relative to any changes in traffic regulation.

The following were made one way streets: Haven Street between Linden Street and Main Street, Gould Street from Haven Street to Ash Street and Ash Street from Gould Street to Main Street, (Post Office Sq.) for the purpose of eliminating the hazardous traffic congestion on Haven Street west of Main Street and on Ash Street to Gould Street.

For the betterment of traffic conditions the traffic beacon formerly located at the junction of Haven and Main Streets was removed to Franklin Street near North Main Street, and the one formerly located at the junction of Middlesex Avenue and Lowell Street was removed to the corner of Bancroft Avenue and Lowell Street.

We would recommend that the male dependents of the Town be privileged to work on the dumps under a supervisor and compensated for the work done, relieving the Welfare expenditure during periods of unemployment.

It is necessary that the Town expend two thousand dollars (\$2000.00) to repair the Richardson House or its use will have to be discontinued, and we have asked for an appropriation for repairs.

As the Town Farm is no longer needed, apparently, we recommend that the property be disposed of.

For many years the Chief of the Fire Department has been operating his personal auto in town business, he standing the majority of the expense. The Town has developed to a point where we recommend that the purchase of a new Fire Chief's car as a necessary addition to our Fire Department equipment.

Owing to the rapid growth of new buildings especially on the west side of the Town we feel that more adequate fire protection is needed for that section and recommend the purchase of a triple combination pumping engine for the Central Fire Station and the transfer of the Seagrave truck to the Woburn Street House No. 2.

As the report of the Visitor so fully covers the work and problems of the Public Welfare Board, we submit the Visitor's report as the report of the Board.

Respectfully submitted,

ELIAS B. CURRELL, Chairman.

CHARLES S. HASTY, Secretary.

CHARLES F. TREVOR,

Board of Selectmen and Public Welfare.

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## ANNUAL REPORT OF VISITOR

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To the Board of Public Welfare:

I herewith submit my report for the year 1928.

The work of this department has increased during the year, there being more applications for aid than last year. Illness and lack of work were the principal causes for need of help, although there are some cases in which it is more difficult to determine the cause. In all cases, we have tried as much as possible to make the parents realize their responsibility of supporting their families. It is necessary to keep in mind that in all cases children must be cared for, and as they are in no way responsible for their circumstances, they must be given proper food and protection for the welfare of the community.

The total number of persons aided was 165: 60 adults and 105 children. Mother's Aid cases increased from two last year to five this year. In these one third of the amount spent is reimbursed by the State. Nine new cases applied for aid, and of these two were aided for a short time only, and have been closed. In nine cases, five of which are still receiving aid, there was no settlement, and the whole amount is reimbursed by the State. A total of twelve cases were discharged during the year leaving 21 families



now being aided, and 10 single persons being boarded or receiving a small amount of cash aid.

The visitor recorded 440 calls made in the homes, besides several visits at hospitals. Much time has been given to grocery orders, helping the families get the most nourishing food for the children. Milk, coal and rent bills have been approved as usual. Encouragement has been given to all members of families to work when able. In very few cases has the aid been more than partial.

New families have been recorded in the Confidential Exchange in Boston. The advantage of this is that many times a family coming here from another city or town, may be known by different organizations or hospitals who can give us valuable information in regard to the history of the family. We would be glad to have the various Reading organizations also register with us any aid they may give to different families, so that we may ascertain that the work is not duplicated.

We wish to extend thanks to the Social Service Committee of the Visiting Nurse Association, for sending out bountiful Thanksgiving dinners, donated by the children of the Public Schools. Also to the organizations who kindly gave Christmas dinners to many families where they were much appreciated. A happy Christmas was given by several individuals to several families in need. We wish to extend thanks to these kind friends, and also to the Board of Trade, and the members of the College Club, for donations, and to the Visiting Nurse for her assistance, and other friends for the use of their cars in distributing gifts. Altogether with the help of these kind friends about 140 children were remembered with useful gifts and toys.

The cooperation of the School Nurse, Attendance Officers, Good Health Committee, and the Visiting Nurse, is a great help and much appreciated. Many problems come up, in which it is better to have the advice of others who are dealing with the same families.

The Visitor is grateful to the members of the Board and to Mr. Bent, the clerk of the Board, for their continued interest and help at all times.

Respectfully submitted,

HELEN A. BROWN, Visitor.

## REPORT OF INSPECTOR OF PLUMBING

### To the Board of Health:

Gentlemen:—I herewith submit my report for the year ending December 31, 1928.

Number of permits granted, 144.

Number of fixtures installed, 576—Bath tubs, 102; Lavatories, 107; Closets, 130; Sinks, 118; Wash Trays, 115; Showers, 4; Total, 576.

Respectfully submitted,

DAVID TAGGART,

Inspector of Plumbing.

## REPORT OF CHIEF OF POLICE

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To the Honorable, Board of Selectmen:

Gentlemen:—I herewith submit the annual report of the Police Department of the Town of Reading for the year ending December 31, 1928.

### Arrests for the year 1928

#### Total number of arrests for the year 1928—396

Males, 388; Females, 8; Residents, 94; Non-Residents, 302; American born, 322; Foreign born, 74; Adults, 349; Minors, 47.

### Causes of Arrests

Larceny, 13; Assault and battery, 7; Assault with intent to rape, 7; Arson, 2; Drunkenness, 103; Disturbance, 3; Damage to property, 5; Keeping and exposing liquor for sale, 7; Illegal transportation liquor, 9; Capias, 5; Arrested for out Town officers, 5; Non support, 5; Driving under influence of liquor, 40; Violation of the Automobile Law, 152; Non payment of wages, 5; Delinquents, 10; Adultery, 3; Bastardy, 3; Evading car fare, 1; State Hospital, Tewksbury, 3; Throwing glass in public highway, 1; Possession of narcotic drugs, 1; Drug addict, 1.

### Disposition of cases in Court

Fined, 196; Released, 29; On file, 65; Probation, 13; State Hospital, 1; Discharge, 14; Turned over to out Town officers, 20; Middlesex training school, 4; Suspended sentence, 6; Held for Grand Jury, 20; Appealed, 5; House of correction, 4; House of Correction suspended, 8; State Hospital, Tewksbury, 3; State Farm, Bridgewater, 2; Defaulted, 4; Continued cases, 3.

### Miscellaneous

Automobile accidents, 231; Cases investigated, 244; Defective streets and sidewalks reported, 9; Guarding Mail, 96; Guarding Pay rolls, 81; Lost children returned to parents, 12; Buildings found open and secured, 59; Street lights out and reported, 35; Dogs killed by officers, 34; Dogs killed by automobiles, 17; Automobiles reported stolen by out Town officers, 76; Windows found open and secured, 13; Dogs found and returned to owners, 7; Summons served for out Town officers, 91; Police Ambulance to hospitals, 25; Wires found down and reported, 9; Dead bodies taken care of, 2; Vacated houses and special attention asked, 23; Property left outside stores and brought to station value, \$100.00; Property reported lost, found and returned, \$275.00; Property reported stolen, \$2,500.00; Property recovered, \$1,890.00; Automobiles transfer through the police, 245.

### Amount of Fines Imposed by Court

1 at \$3.00 each, \$3.00; 59 at \$5.00 each, \$295.00; 82 at \$10.00 each, \$820.00; 5 at \$15.00 each, \$75.00; 7 at \$20.00 each, \$140.00; 2 at \$25.00

each, \$50.00; 4 at \$30.00 each, \$120.00; 2 at \$35.00 each, \$70.00; 19 at \$50.00 each, \$950.00; 2 at \$75.00 each, \$150.00; 4 at \$100.00 each, \$400.00.

#### **Conclusion**

At this time I wish to thank the Honorable Board of Selectmen, the judges and officers of our District Court, our local press, and all others who have assisted in promoting the welfare of this department; also all members of the force for what they have done to make our Town safe and sane.

Respectfully yours,

JEREMIAH CULLINANE,

Chief of Police.

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## **REPORT OF CHIEF OF FIRE DEPARTMENT**

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To the Honorable, Board of Selectmen:

Gentlemen:

The annual report of the Fire Department is herewith submitted giving the record of fires that have occurred during the year ending December 31, 1928 together with such information as I think may be of interest to the town.

#### **Finances**

My financial transactions are all embodied in the report of the Town Accountant to which I would respectfully refer you for any information you may desire in that line.

#### **Manual Force**

The Department consists of nine (9) permanent men (including the Chief) and twenty-one call men.

#### **Apparatus and Equipment**

The Department has five pieces of motor apparatus, four of which are at the Central Fire Station, as follows: one Knox triple combination of 600 gallons per minute capacity which was purchased in 1913; one Sea-grave combination equipped with a booster tank, of 400 gallons per minute capacity which was purchased in 1926; one Robinson combination service ladder truck in which a White motor has been installed purchased in 1916; and one Simplex single tank combination which was built by the permanent force and equipped for grass and brush fires. This machine was placed in service in 1923. At Hose No. 2 station on Woburn street there is a Ford hose truck which was placed in service in 1919.

Although the trucks are all in good condition at the present time the Knex machine is fifteen years old and the Ford truck at Hose No. 2 station has become inadequate for the service it must render.

#### Recommendations

I would recommend the expenditure of \$8750.00 for the purchase of a 600 gallon triple combination to be installed at the Central Fire Station and the 400 gallon machine installed at Hose No. 2 station. As this matter has the endorsement of a large number of our citizens I would ask it's united support of your board. I also recommend a salary increase for the permanent members of my department this year.

In the very near future the town must purchase a new fire alarm system. Both central office and old street boxes must be replaced. As this will cost a rather large amount of money I would recommend that you give this some study this year. As we have received twenty-one (21) false alarms this year I recommend that the town vote to pay a reward for information leading to the arrest and conviction of anyone sounding a false alarm.

#### Fire Prevention

I have issued 642 permits for fires out of doors, 23 permits for the installation of oil burning equipment, 7 permits for the sale of fireworks, 4 permits for the transportation of explosives and 2 blasting permits. The members of the permanent force and myself have made monthly inspections of all mercantile establishments and have inspected garages bi-weekly.

#### Record of Alarms

Month	Bell	Still	Total
January .....	8	18	26
February .....	3	8	11
March .....	10	24	34
April .....	21	47	68
May .....	5	19	24
June .....	7	12	19
July .....	17	15	32
August .....	7	6	13
September .....	2	8	10
October .....	11	24	35
November .....	9	36	45
December .....	4	20	24
Total	104	237	341
Miles traveled .....			1193.4
Number of feet of 2½ in. hose laid .....			14,100
Number of feet of 1½ in. hose laid .....			9,000
Number of feet of chemical hose used .....			6,000
Number of feet of ladders raised .....			652
Gallons of chemical used .....			373
Gallons of gasoline used .....			842



Gallons of oil used .....	33
Value of property in danger .....	\$199,270.00
Insurance thereon .....	163,511.00
Loss thereto .....	21,393.00
Insurance paid thereon .....	17,079.00
Uninsured loss .....	4,314.00

#### Conclusion

In concluding, I wish to extend to your Honorable Board, the Town Accountant, Treasurer and the Finance Committee, my thanks for the courtesies and co-operation I have received during the year. I wish to compliment the officers and members of the department on the prompt and efficient manner in which they have performed their duties. I also wish to express my thanks to the Eastern Massachusetts Street Railway Company for the use of current, to the Chief of Police for the services rendered by his department at fires and to the employees of the New England Telephone and Telegraph Company for prompt and efficient service rendered in receiving alarms by telephone.

Respectfully submitted,

ORVILLE O. ORDWAY,

Chief of Fire Department.

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## REPORT OF SUPERINTENDENT OF FIRE ALARM

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### To the Board of Fire Engineers:

Gentlemen:—The following is the report of the Superintendent of Fire Alarm for the year ending December 31, 1928.

There have been many minor repairs made this year and some of the overhead construction rebuilt. There is some overhead construction to be rebuilt the coming year. North Main and Mill Streets are now being rebuilt.

Three new boxes which were purchased last year have been installed,

123 Green Street east of High.

217 West and Howard.

252 Longview Road near Prospect.

Box 212 was moved from the corner of West and Howard Streets and placed at the corner of Prescott Street and Sunnyside Avenue.

A temporary fire alarm box has been placed at the east side of the Mineral Street bridge until the new bridge is completed.

A 15 inch gong has been placed in the Hose 2 Station.



The whistle has been placed on a separate circuit which is an improvement over having it on a box circuit.

It will be necessary to move the fire alarm headquarters from the non-fire proof location in the attic of the Central Fire Station to a fire proof location with equipment to replace the antiquated overloaded apparatus now in use. This should be done as soon as possible.

There is great need of additional fire alarm boxes as the town is out-growing its fire alarm system.

All school buildings should be protected with the master type of fire alarm boxes as is the W. S. Parker Junior High School. With this type of box sounding the bell to notify the pupils of a fire will operate the fire alarm box on the building.

I wish to thank all who have assisted this department.

### **FIRE ALARM**

- 112 Woburn and Sanborn.
- 113 Woburn and Bancroft Ave.
- 114 Mt. Vernon and Chute.
- 115 Woburn and High.
- 12 Central Fire Station.
- 121 Main and Haven.
- 122 Haven and Gould
- 123 Green east of High.
- 13 Ash and Avon.
- 14 Oak and Hill Crest Rd.
- 141 Howard and Hill Crest Rd.
- 15 Summer Ave. and Walnut.
- 16 So. Main and South.
- 17 Prescott and Arlington.
- 18 Minot and Park Ave.
- 19 Walnut and Curtis.
- 21 Temple and Summer Ave.
- 212 Prescott and Sunnyside Ave.
- 213 Pratt and Fairview Ave.
- 217 West and Howard.
- 221 Union St. School. (Private)
- 223 Center School.
- 224 High School. (Private)
- 225 Highland School. (Private)
- 226 Lowell St. School.
- 227 Prospect St. School.
- 228 Chestnut Hill School.
- 23 Woburn and Temple.
- 231 West beyond Longwood Rd.
- 232 Junior High School.
- 24 Mineral and Hancock.

- 242 Summer Ave. and Woodbine.
- 25 Prospect near King.
- 252 Longview Rd. near Prospect.
- 26 Hose 2 house, Woburn St.
- 262 Berkeley and Freemont.
- 27 Summer Ave. near Prescott.
- 28 West and County Rd.
- 29 West and King.
- 31 Lowell, Grove and Willow.
- 312 Lowell and Dustin.
- 32 Franklin beyond Grove.
- 33 Lowell, Grand and Gould Ave.
- 34 Grove and Forest.
- 35 No. Main, Locust and Federal.
- 36 No. Main and Ridge Rd.
- 37 No. Main front of No. 409.
- 38 No. Main and Forest.
- 381 Forest near Colburn Rd.
- 39 No. Main and Franklin.
- 392 No. Main and Mill.
- 41 Village and Green.
- 412 Boston Stove Foundry.
- 414 Green and Beech.
- 42 Haven and John.
- 422 Eaton and Pleasant.
- 43 Salem and John.
- 44 Salem and Pearl.
- 442 Orange and Pierce.
- 45 Salem and Belmont.
- 452 Salem and Libby Ave.
- 46 Charles and Pearl.
- 47 Charles and Haverhill.
- 48 Bay State Rd.
- \*482 Old Fair Grounds, Salem.
- \*485 Rifle Range, Haverhill.
- 51 Main, Ash and Washington.
- 53 So. Main near Cross.
- 54 Ash and Cross.
- 55 Reading Rubber Mills.
- 6 C. H. Bangs Co. (Private)
- 61 Lowell and Sanborn.
- 611 Home for Aged Women. (Private)
- 612 Bancroft Ave. and Locust.
- 614 Auburn and Park.
- \*62 Spare box.

- 63 Hanscom Ave. near Weston Ave.
- 642 Vine and Vale Rd.
- 65 Middlesex Ave. and Bancroft Ave.
- 67 Middlesex Ave. and High.
- \* 8 Out of Town.
- \* 81 Call to Wakefield.
- \* 82 North Reading State Sanatorium.

#### Special Signals

- 2 Recall.
  - 2 Test, 7.45 a. m. and 5.45 p. m.
  - 3 and a box, Second Alarm.
  - 3 Followed in one minute by 3, Boy Scout Call.
  - 4 and a box, Third Alarm.
  - 4 blows, Police Call.
  - 22 No School Signal.
  - \* Transmitter Boxes, can be sounded only from Central Fire Station.
  - Telephone, Central Fire Station Reading 0430
- Respectfully submitted,  
HUGH L. EAMES, Supt. of Fire Alarm.

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## REPORT OF FOREST WARDEN

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To the Honorable, Board of Selectmen:

Gentlemen:

The annual report of the Forest Warden is herewith submitted for the year ending December 31, 1928.

The financial transactions of the department are embodied in the report of the Town Accountant, to which I refer you for any information along this line.

The following deputies were appointed by me and approved by the State Forest Warden: Henry M. Donegan, 11 Federal St., Hugh L. Eames and John J. O'Brien, Central Fire Station.

Combination C. is used for grass and brush fires. This machine is equipped with 1200 feet of 1½ inch hose as well as brooms and extinguishers. I purchased 1000 feet of 1½ inch hose for the use of this department this year.

All woodland was posted this year. I have investigated all fires and sent reports to the State Forest Warden.

In concluding I wish to thank all who have in any way assisted this department during the year.

Respectfully submitted,

ORVILLE O. ORDWAY, Forest Warden.

## REPORT OF TREE WARDEN

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To the Honorable, Board of Selectmen:  
Gentlemen:—

The annual report of the Tree Warden is herewith submitted for the year ending December 31, 1928.

I have removed a large number of dead trees that were considered unsafe and have replaced them with young trees.

I also have planted about two hundred trees on the roadside in different sections of the town.

There are several new streets under construction at the present time, and I intend to make tree planting on them, on all reasonable requests from the abutters.

Respectfully submitted,

HENRY M. DONEGAN,

Tree Warden.

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## REPORT OF TOWN COUNSEL

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To the Honorable, Law Committee of the Town of Reading, Reading, Mass.  
Gentlemen:

I beg to submit my report as Town Counsel for the year ending December 31, 1928.

Much time has been spent in the usual routine, consultations, rendering of opinions, preparation of votes and papers of various sorts, among which may be mentioned, for example, services in connection with the contract and lease relative to the new building built for the occupancy of the Municipal Light Department, the rules and regulations of the Board of Public Works relative to projections over highways, the revision of the contract relative to transportation of school children, and an opinion to the Board of Selectmen relative to the jurisdiction over traffic beacons.

The construction of the new Mineral Street bridge required services in connection with the proceedings before the County Commissioners.

During the past year the proceedings, which had been earlier instituted in the Land Court for the foreclosure of certain tax titles, were carried through to completion. These proceedings related to six parcels having assessed values of a total of something over \$45,000. Three parcels having a total assessed value of \$2,475 were not redeemed, and the title of the

Town thereto was perfected by decree. Three parcels were redeemed, resulting in the collection by the Town of back taxes, interest and costs (in addition to costs of the Land Court proceeding) amounting to over \$10,500.

Under your supervision the claim of the heirs of Willard Bancroft for damages due to the laying of a water pipe through land on Longwood Road was settled by the payment of \$50.00 and a deed and release taken.

Certain claims for and against the Town arising out of the business of the Municipal Light Department were disposed of in the ordinary course. There is one claim pending arising from the fall of a branch of a tree alleged to be due to the action of lighting wires, but this claim has not been made the subject of suit.

There is pending a suit by Richard M. Cutts with an ad damnum of \$1000 for injuries arising from an alleged defect in Salem Street. Counsel for the plaintiff has been advised, in accordance with your instructions, that the Town denies all liability.

There is pending a Bill in Equity brought by William H. Killam against the Town arising from the existence of a public sewer running through certain premises purchased by him from the Town and to which it derived its title through tax title foreclosure.

An important matter which has arisen during the past year is the matter of the apportionment of the cost of the Northern Artery. Under Statute 1924, Chapter 489, Section 3, as amended by Statute 1927, Chapter 315, Section 3, a board of three commissioners have been appointed by the Supreme Judicial Court to determine the proportion in which cities and towns "specially benefited" by this improvement shall contribute to its cost. This commission sent out notices, not only to the cities of Cambridge and Somerville, in which the work is located, and to neighboring municipalities, but also to cities and towns of northern Middlesex and of Essex Counties. There have been several hearings, at which the opposition of Essex and northern Middlesex cities and towns to being assessed for the cost of this improvement was strongly developed, and at the last hearing the hearings were adjourned until early in March to afford time for the incoming legislature to qualify and restrict, if it so desired, the question of "special benefit." This is a matter of considerable importance. The cost of the work, while the exact figures are not yet ascertainable, has been very large, and the assessment upon the Town of a small percentage might amount to a considerable sum.

The progress of the matter before the legislature should be followed with care.

Respectfully submitted,

MELVILLE FULLER WESTON,

Town Counsel.



## REPORT OF INSPECTOR OF WIRES

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### To the Honorable Board of Selectmen:

Gentlemen:—I herewith submit my report for the year ending December 31st, 1928.

Number of inspections, 542; old buildings wired, 33; new buildings wired, 76; old buildings in which the wiring is uncompleted, 3; new buildings in which the wiring is uncompleted, 19; buildings rewired, 5; number of additions to wiring, 121; electric ranges, 14; hot plates, 3; oil burners, 15; refrigerators, 35; battery chargers, 2; water heaters, 6; air compressors, 3; motors, 11; signs, 7; recording meters, 1; permits given for temporary wiring, 3; complaints received and investigated, 14; changes ordered made to unsafe or improperly installed wiring, 38; services to buildings cut off during fires, 2; inspections made to wiring damaged by fire, 8; wiring condemned, 3; number of permits given to connect services, 147; complaints made to State Examiners of Electricians, 7; hearings attended before the State Examiners of Electricians, 3; electricians' licenses revoked as result of hearings, 2; electrician's license suspended as result of hearings, 1; cases pending, 1.

In general the electricians have installed wiring in a careful and workmanlike manner. Those who have not done their work in a safe and proper manner have been ordered to correct same and an inspection has been made to see that this is done.

There is need of a town by-law to govern the installation of wires.

All wiring should be reported to the Inspector of Wires by the electrician.

The public is warned against the unlicensed and unreliable electricians.

I wish to thank the public for their co-operation with me in my work.

Respectfully submitted,

HUGH L. EAMES,

Inspector of Wires.

## REPORT OF INSPECTOR OF BUILDINGS

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### To the Honorable, Board of Selectmen:

Gentlemen:

I herewith submit my report for the year ending December 31, 1928.

The building construction for the past year was as follows: 80 new one-family dwellings at an approximate cost of \$465,500.00; 32 alterations

and additions to dwellings at an approximate cost of \$41,670.00.

25 new one-car garages, 20 new two-car garages, 6 alterations and additions to garages, 5 new greenhouses, 1 new boiler house, 2 new gasoline filling stations, 2 new showrooms, 1 new block of seven stores, 8 new poultry houses, 4 new road-side stands, 1 new blacksmith shop, 2 new storage sheds, 1 new barn, 1 new tool house, 12 alterations and additions to various buildings.

The above buildings were built at an approximate cost of \$117,260.00.

The total cost of all new and remodelled buildings the past year amounts to approximately \$624,430.00

Respectfully submitted,

A. RUSSELL BARNES,

Inspector of Buildings...

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## REPORT OF BOARD OF HEALTH

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### To the Citizens of Reading

There were sixty-eight (68) contagious cases reported during the year 1928.

Scarlet Fever, 19; Chicken Pox, 7; Measles, 28; Malaria, 1; Whooping Cough, 7; Tuberculosis, 6; Total, 68.

Number of deaths, 94—Male, 44; Female, 50; 3 were over 90 years of age; 18 were between 80 and 90 years; 25 were between 70 and 80 years; 16 were between 60 and 70 years; 10 were between 50 and 60 years; 3 were between 40 and 50 years; 5 were between 30 and 40 years; 3 were between 20 and 30 years; 2 were between 10 and 20 years; 2 were between 1 and 10 years; 1 was under 1 year; 6 still births.

Respectfully submitted,

E. M. HALLIGAN, M. D.,

C. H. PLAYDON, M. D. V.,

C. F. ATKINSON,

Board of Health.

## REPORT OF THE BOARD OF APPEAL

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### To the Honorable Board of Selectmen:

Gentlemen:—Eight petitions for relief from various provisions of the Zoning By-Law were presented to the Board of Appeal during the year 1928, on all of which public hearings were held as required by the By-Law.

Three of these petitions were for variation of the By-Law, to allow use of premises for business purposes in residential zones. All were denied.

Two petitions were for extension of non-conforming use. Both were granted.

One petition was for the erection of private garage nearer to the party line than than allowed by the By-Law. Granted.

One petition was for permission to construct an addition to a residence, bringing the building wall nearer to the lot line than permitted by the By-Law. Denied.

One petition was for the erection of a two apartment house, "one over one," in a zone restricted to two-family semi-detached houses. Denied.

To summarize, of the eight petitions presented to the Board during the year, three were granted, and five were denied.

There is occasionally an apparent misconception on the part of some of the townspeople, as to the powers and authority of the Board of Appeal. The Board under the Zoning By-Law, may grant exceptions to the application of the By-Laws only when denial of relief would "involve practical difficulty or unnecessary hardship," and (not or) when such exceptions can be allowed "without substantially derogating from the intent and purpose of the By-Laws, but not otherwise."

Respectfully submitted,

HENRY Q. MILLETT, Chairman,  
FRED L. NUTTER, Secretary,  
CHARLES A. DAMON,

Board of Appeal.

## REPORT OF BOARD OF ASSESSORS

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### To the Citizens of Reading:

We herewith submit our report on work under our jurisdiction during the year 1928:

#### Valuation of Taxable Real Estate:

Buildings, excluding land .....	\$ 9,688,925.00
Land, excluding buildings .....	3,774,855.00
 Total Taxable Real Estate .....	 \$ 13,463,780.00
Taxable Personal Real Estate .....	1,573,345.00
 Total Taxable Real and Personal Estate assessed April 1, 1928 .....	 \$ 15,037,125.00
Building increase over 1927 .....	474,650.00
Land increase over 1927 .....	117,465.00
 Total increase on Taxable Real Estate .....	 \$ 592,115.00
Increase on Personal Estate .....	67,861.00
 Total gain on Taxable Property over 1927 .....	 \$ 659,976.00
Tax on Real Estate .....	\$ 451,039.67
Tax on Personal Estate .....	52,712.61
Tax on Polls .....	5,544.00
Tax on Real Estate for Moth .....	967.00
Tax on Real Estate for Sewer .....	2,580.57
Tax on Real Estate for Sidewalk .....	177.71
 Total Tax April 1, 1928 .....	 \$ 513,021.56
Taxable Personal Estate assessed December 1928 .....	\$ 300.00
Taxable Real Estate assessed December, 1928 .....	2,900.00
Additional Polls .....	110.00
Tax assessed as supplementary on Real Estate, Decem- ber 1928 .....	97.15
Tax assessed as supplementary on Personal, Estate, December 1928 .....	10.05
Total Taxable Personal Estate 1928 .....	1,573,645.00
Total Taxable Real Estate, 1928.....	\$ 13,466,680.00
 Total Taxable Property, Real and Personal, 1928 .....	 \$ 15,040,325.00
State Tax, 1928 .....	18,105.00
State Highway Tax, 1928 .....	3,469.05

County Tax, 1928 .....	19,063.77
County Tax, T. B., Rutland, 1928 .....	2,048.37
Metropolitan Sewer Tax, 1928 .....	12,679.35
Municipal Lighting Tax, 1928 .....	102.89
Fire Prevention Tax, 1928 .....	118.71
<hr/>	
Total State and County Tax, 1928 .....	\$ 55,587.14
Total State and County Tax, 1927 .....	59,168.85
<hr/>	
Decrease from 1927 .....	\$ 3,581.71
Amount appropriated for Town Purposes .....	\$ 534,942.65
Amount to be paid for State Taxes .....	55,587.14
Amount of Overlay .....	3,766.49
<hr/>	
Total Assessments, 1928 .....	\$ 594,296.28
Estimated Receipts .....	\$ 85,000.00
2772 Polls @ \$2.00 .....	5,544.00
<hr/>	
Amount to be raised .....	\$ 503,752.28
<hr/>	
Tax Rate for 1928, \$33.50	
Number of persons assessed on property April, 1928 .....	3,663
Number assessed for poll only .....	889
Number assessed in December, 1928 .....	3
Number additional polls .....	55
Total assessed on property, 1928 .....	3,666
Total assessed on polls only, 1928 .....	944
Total number separate assessments, 1928 .....	4,552
Polls assessed in 1927 .....	2,707
Polls assessed in 1928 .....	2,827
Increase in polls .....	120
Number of horses .....	108
Number of cows .....	187
Number of neat cattle .....	13
Number of swine .....	120
Number of fowl .....	12,906
Number of dwellings .....	2,275
Number of acres of land .....	5,770
Value of Town property .....	\$ 1,365,810.00
Value of property exempt .....	537,035.00
<hr/>	
Total non-taxable property .....	\$ 1,902,845.00
Total taxable property .....	15,040,325.00
<hr/>	
Total valuation, 1928 .....	\$ 16,943,170.00



### Assessors' Report of the Survey of Land Under the Block System

We have now completed 65 plans which contain 3,393 separate lots.

Appropriated 1928 ..... \$ 100.00

#### Expended

Davis & Abbott, correcting plans, 1928 ..... 53.00

Balance ..... \$ 47.00

We would advise that the sum of five hundred dollars be appropriated for the coming year that the work of the Block System be continued.

GEORGE E. HORROCKS,  
J. FRED RICHARDSON,  
ALVAH W. CLARK,

Board of Assessors.

### REPORT OF CEMETERY TRUSTEES

The report of the Superintendent of Cemeteries, William P. Pierpont, covering in detail the work of the Department and approved by the Trustees, is appended.

Mr. Galen A. Parker, who has been a member of this Board for thirty-eight years and has served the last thirty-six years as Chairman, resigned on March 30th. The Board accepted this resignation with deep regret and wish to include in the records of the Town their sincere appreciation of the long and faithful service rendered by Mr. Parker.

Mr. Winthrop D. Parker was subsequently appointed to serve the unexpired term of his father.

Owing to his removal from Reading, Mr. Chester P. Eeles resigned November 1st from the Board and Mr. Harold F. Davis was appointed to serve the balance of his term.

Mr. Philip H. Tirrell, who had served the Board for several years as Secretary, was elected Chairman, and Mr. Clarence C. White was elected Secretary.

On March 2nd, Alfred E. Goodwin resigned as Superintendent of Cemeteries and William P. Pierpont was appointed Acting Superintendent, and subsequently appointed Superintendent.

The terms of Winthrop D. Parker and Clarence C. White expire, and

their associates are pleased to state that they will be candidates for re-election.

Most respectfully,

PHILIP H. TIRRELL, Chairman.

CLARENCE C. WHITE, Secretary.

HAROLD F. DAVIS,

FRANK LEE EDGERLEY,

FRED L. NUTTER,

WINTHROP D. PARKER,

Board of Cemetery Trustees.

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## LAUREL HILL CEMETERY REPORT 1928

Board of Cemetery Trustees, Reading, Mass.

Gentlemen:

The regular maintenance work has been kept up during the year, the avenues have had some repairs and Maple Avenue had a seal coat from the Main Street entrance to Lotus Avenue, which was much needed.

Forty-eight new lots have been completed, nine eight-grave lots, eight six-grave lots, thirty-one four-grave lots and forty-three single graves, which are all ready for sale. We have sold seventeen lots and six single graves during the year, nearly all with perpetual care. Fourteen lots have had perpetual care placed on them outside of the new lots sold with perpetual care during 1928. All lots are now sold with perpetual care. We have had ninety-one interments during the year. The Trustees voted, at the recommendation of the State Auditors, to have all work done in the Cemeteries prepaid.

Four stone posts were removed from the upper Main Street entrance, which makes it much easier driving in or out. Several cement hydrants and several hundred stepping stones have been placed.

The Old Cemetery on Lowell Street was mowed and cleaned up. With additional money further improvements could be made.

The Trustees voted to set aside, for ornamental purposes only, the plot of land at the Main Street entrance and call it "The Galen A. Parker Oval" in honor of Mr. Galen A. Parker, who served on the Board for thirty-eight years. It has been graded and sowed down, and during this year rhododendrons and shrubbery will be set out.

All the land in Laurel Hill has been developed except a portion purchased from the Clapp Estate, which will be laid out in lots this year.

This next year it will be necessary to have a new truck to replace the one we now have, as it is beyond repair. The fence at the north side and west side of the Cemetery should be replaced, as it is in bad condition. A portion of Elm Avenue should be repaired, between Locust Avenue and

Oak Avenue, and a catch basin is needed at the north entrance.

The financial statement will appear in the report of the Town Accountant.

Respectfully submitted,

WILLIAM P. PIERPONT,  
Superintendent.

## FOREST GLEN CEMETERY REPORT 1928

Board of Cemetery Trustees, Reading, Mass.

Gentlemen:

We have placed the markers and numbers for all the lots that have been so far laid out, and also over three hundred stepping stones. The lots have all been fertilized and kept mowed.

The ledge at one side of the Pearl Street entrance was removed and the entrance graded.

During this next year the wall should be extended to the boundary line on Forest Street, and should be capped for the preservation of the wall, preferably with a blue stone cap. We expect to finish putting in the rest of the stepping stones during 1929. The main entrance could be beautified by setting out some shrubs and the appearance of the Cemetery would be improved by a few scattered trees.

The financial statement will appear in the report of the Town Accountant.

Respectfully submitted,

WILLIAM P. PIERPONT,  
Superintendent.

## CUSTODIAN OF SOLDIERS AND SAILORS GRAVES

To the Honorable Board of Selectmen:

Gentlemen:

I herewith submit my annual report for the year 1928 as Custodian of Veteran Soldiers' and Sailors' Graves.

One man has been employed a part of each working day, throughout the growing season, caring for the Veterans' lots.

During the early fall, the worker's time was devoted to raking leaves and regrading sunken graves.

On account of the increasing number of graves and the settling of some of the older ones, requiring regrading, I recommend an appropriation of \$600 for 1929 in place of \$500, the appropriation for 1928.

Respectfully submitted,

WALTER I. SWEETSER,  
Custodian of Soldiers' and Sailors' Graves.

## REPORT OF PUBLIC LIBRARY

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The Trustees of the Public Library submit the following report for the year ended December 31, 1928:

### ORGANIZATION OF THE BOARD

The Board organized for the year by the election of Mr. Mansfield as Chairman and Miss Bancroft as Secretary. Standing Committees were appointed as follows:

- On Accounts: The Board of Trustees.
- On Books: Mr. Mansfield, Miss Bancroft and Mrs. Lucas.
- On Buildings and Grounds: Messrs. Keneely, Morton and Doughy.
- On Work with Children: Miss Bancroft, Mrs. Lucas and Mr. Keneely.

### EXPENSES OF THE LIBRARY

The condensed financial statement is as follows:

Appropriation, direct tax, 1928	
Salaries .....	\$ 4,230.00
Maintenance .....	3,200.00
<hr/>	
Total .....	\$ 7,430.00
Other Income:	
Refunds .....	4.81
Transfer from Special Fund .....	50.00
<hr/>	
	\$7,484.81

### Expended

Salaries: Librarian, Assistants and Janitor .....	\$ 4,207.66
Books and periodicals, including rebinding .....	1,993.41
Printing, stationery, etc. ....	138.85
Fuel, light, water, sewerage .....	472.44
Repairs and furnishings .....	513.21
Miscellaneous .....	108.42
<hr/>	
Total .....	\$ 7,433.99
Balance unexpended:	
On Salaries .....	\$ 22.34
On Maintenance .....	28.48
<hr/>	
Total .....	\$ 7,484.81



**Receipts**

Lost book paid for .....	\$	4.00
Fines collected (for over detention of books) .....		392.64
Waste paper sold .....		1.90
On hand December 31, 1927 .....		23.46
		<hr/>
	\$	422.00
Paid to Town Treasurer .....		422.00
		<hr/>
Balance on hand December 31, 1928 .....		0.00

**Statistics**

Volumes in the Library December 31, 1927 .....		14,339
Volumes bought, including duplicates and replacements:		
Adult fiction .....	283	
Adult non-fiction .....	254	537
	<hr/>	
Juvenile fiction .....	254	
Juvenile non-fiction .....	76	330
	<hr/>	
Reference .....	3	870
	<hr/>	
Received by gift, Mass. ....	11	
Received by gifts, others .....	144	155
	<hr/>	
		15,364
Withdrawn during year .....		498
		<hr/>
Total number of volumes, Dec. 31, 1928 .....		14,866
Circulation for home use, adult .....		37,813
Circulation for home use, Juvenile .....		18,833
		<hr/>
Total .....		56,646
Increase over previous year .....		3,878
Largest monthly circulation, March .....	5,706	
Smallest monthly circulation, August .....	3,963	
New borrowers registered, Adult .....	285	
New borrowers registered, Juvenile .....	252	
Total .....		537
Total borrowers registered .....		3,068
Number of days on which Library was open .....		301
Average daily circulation, Adult .....		125
Average daily circulation, Juvenile .....		62
Volumes deposited in schools .....		317
No record is kept of the circulation of these books.		



A very extended use is made of the reading and reference privileges in the Main Library. Often every seat is occupied by an adult reader.

The following table gives data pertaining to the Library for the past five years:

Year	Population April 1st	Volumes		No. of Days Lib. Open	Volumes In Lib.	Total Expendi- tures
		Borrowed	Home Use			
1924		42,954		255	12,441	\$4,953.29
1925	8,693	46,520		252	13,170	5,528.94
1926		50,216		290	13,880	6,800.89
1927		52,768		291	14,339	7,188.58
1928		56,646		301	14,866	7,433.99

The cost per book circulated in 1928 was 13.1 cents; the average for the last five years is 12.8 cents; circulation per capita in 1928 of 5.9 books and cost per capita of about 78 cents. (The last two figures are based on a population estimate of 9,500).

The following is in part the report of the Librarian to the Trustees:

Of the books reported withdrawn, nine were destroyed on account of exposure to scarlet fever, one hundred and fifty-five were lost and the rest worn out. The number lost is much larger than the number reported lost in 1927 as it represents a gradual loss covering several years which was discovered through a thorough checking up of some of the more popular authors.

The Reading Grange gave fifty dollars again this year to add more books to the Walter S. Parker collection of books for use in the Children's Room, so the Book-House for Children was purchased. This is a set of nine volumes finely bound with many colored illustrations which had been considered too expensive to buy for home use but will give many children pleasure while spending their leisure moments in the Children's Room.

In March the Woman's Educational Association loaned the library a set of colored pictures of ancient European costumes which were exhibited in the reading room for several weeks.

In June one hundred and two certificates were presented to pupils at the Highland School who had read and reported on five books on the State Reading List, and twenty-four honor certificates to those who had reported on twenty books.

The work of reclassifying the old non-fiction by the decimal system has been continued. All the mythology, garden and bird books with miscellaneous others have been reclassified but there are still many volumes of biography and travel to do. Progress is necessarily slow as this work can only be done after the regular routine is finished, and besides the cataloging it involves a good deal of shifting

of books to keep them in the proper order and moving some of the little used books to the basement. The additional shelves put in the basement in the summer have been a great help in relieving some of the congestion in the main room.

During the year a new postal rate on books loaned by one library to another has been passed. To get this much cheaper rate it is necessary to make application through the local postmaster to Washington and such application has been made for the Reading Library.

One effect of this reduced rate has been to increase the number of inter-library loans. The Division of Public Libraries offered in the fall to lend books or give information as to what library could supply the needed books and sent a poster which advertised this assistance. To satisfy some demands for books of non-fiction the library does not own and avoids buying books which might not be wanted after the first borrower had returned them the library has borrowed from the Division of Public Libraries three books; from the Boston Public Library two books; The Boston Medical Library one book; Wakefield two books and one magazine, and Stoneham one book. The library has in turn been glad to lend to Wakefield one book and Stoneham four books and one magazine.

In the main the work of the library has gone on much as usual. The circulation for home use shows an increase which keeps pace with the growth of the town. For the reference work which consumes much time and is an important part of the library's usefulness there are no figures to show how much has been done but the fact that twice in the fall the seating capacity of the reading rooms was not sufficient for those who wanted to read or study shows there has been a substantial increase.

In September Mrs. Hilchey who had had charge of the Children's Room since it was opened in 1926, left town and in October her place was filled by Miss Rebecca Turner who had done some substitute work in the library and could carry on the work without further instruction, and has done so satisfactorily.

### **State Certificates for Reading**

The children in the intermediate grades took a great interest last year in working for the state certificates for reading. During a big assembly in the hall of the Highland School last June the chairman of the library trustees, gave out one hundred and twenty-six certificates. Not one of these can stand for less than five books read and many of the pupils had read as many as a hundred. Before a child gets a certificate he must sit down in the presence of an examiner and pass a written test to prove that he not only has read the books listed but knows something about each one.

One of the great duties of the public schools is to give the child the kind of training that will enable him to use his leisure time to

secure the greatest amount of good to himself and society. The man who loves good books is never at a loss for entertainment. In this important work the librarians are rendering invaluable assistance. In no department of public service is Reading expending money to a better purpose than in the children's department of the public library.

### Maintenance

During 1928 new window shades were installed in the Main Library Room and the plaster ceiling of the storage room was reinforced. Steel stacks of a capacity of about 2,000 volumes were installed in the storage room. The use of this additional shelving has relieved the Main Library Room to a marked degree.

### Budget for 1929

In accordance with the requirements of the General Laws, Chapter 41, Section 59, the Board of Trustees of the Reading Public Library submit the following detailed estimates of the amounts necessary for the proper maintenance of the Public Library for the fiscal year 1929.

Fuel, light, water, sewer charge .....	\$ 400.00
Printing and supplies .....	200.00
Books, periodicals, binding, etc. ....	2,000.00
Maintenance and Repairs .....	300.00
Miscellaneous Expenditure .....	100.00
<hr/>	
Total maintenance .....	\$ 3,000.00
Salaries .....	4,500.00
<hr/>	
Total appropriation requested .....	\$ 7,500.00
As against an appropriation in 1928 of .....	7,430.00

In the Maintenance Budget there is a decrease of \$200.00 as compared with the appropriation for 1928.

In the Salary Budget there is an increase of \$270.00 as compared with the appropriation granted for 1928. The salary increase is requested on account of the increased hours of assistants due to the increase in the usage of the library.

The Trustees also have under consideration the opening of the Library additional hours during the week.

It is estimated that an income of about \$350.00 will be received during the year from the "Fine" account.

Mr. Charles F. Doughty, a trustee, died on September 29, 1928. Mr. Doughty was first elected to the Board of Library Trustees on March 1st, 1915. At a regular meeting of the Trustees on October 22nd, 1928 the following resolution was adopted, spread upon the records, and a copy sent to Mrs. Doughty:

"The Trustees of the Reading Public Library wish to put on record their sorrow on learning of the death of Mr. Charles F. Doughty, which

has occurred since their last meeting, and their appreciation of his long and faithful service to the Library. Mr. Doughty has always been a most congenial co-worker with all those associated with him, and was ever ready to render any services in his power to the Library. The Trustees have esteemed greatly his judgment in business matters and his high ideals and fine character. They have lost a valued member of the Board and personal friend."

At a joint meeting of the Selectmen and the Library Trustees on November 30th, 1928, Mr. Harry J. Barclay, Vale Road, was elected to fill the vacancy due to the death of Mr. Doughty until the next annual town meeting.

The faithful and efficient services of Miss Bertha Brown, Librarian, and those of Miss Grace Abbott, Assistant Librarian, again merit our appreciative acknowledgement. Mrs. Hilchey's work in the children's room was done with an understanding of the needs of the children and the Trustees were regretful when she resigned. Her work is being well continued by Miss Rebecca Turner.

The work of the assistants has been satisfactory and efficient.

Two vacancies in the Board of Trustees are to be filled at the annual town meeting, the terms of Mrs. Ida C. Lucas and Harry J. Barclay expiring.

ARTHUR N. MANSFIELD, Chairman,  
RALPH S. KENEELY, Secretary Pro Tem,  
JESSE W. MORTON,  
IDA C. LUCAS,  
HARRY J. BARCLAY.

Adopted as the report of the Trustees.

Eighth Annual Report  
OF THE  
BOARD OF PUBLIC WORKS

For the year ended December 31

1928



### To the Citizens of Reading:

As required under the present system of government, the Board of Public Works as organized in March, 1927, continued until after the election in March, 1928, during which time the various articles in the Town Warrant submitted by this Board to the citizens at the town meeting were prepared. In March immediately following the town election, the Board reorganized, electing Mr. Harry N. Brown, Chairman, and Mr. Samuel H. Davis as Secretary, and shortly thereafter the seasonal activities got under way.

In reviewing the work of the Board for the past year, it is believed that the most important accomplishment is that of the building of the Mineral Street Bridge. This new bridge was built at a cost of \$9,000.00 and is superior in construction to the previous bridge. All of the timbers used in the erection of this bridge were creosoted which should practically double the life of any wooden bridge, thus making this bridge good for approximately twenty years. The Board regrets that sufficient money could not have been provided to allow the construction of a sidewalk upon the bridge.

The work of the Highway Department in the maintenance of its Streets has been of the same high standard as heretofore. No new construction of a permanent nature was undertaken during the past year because of insufficient appropriation. It is hoped that during the coming year permanent construction may be laid on some of the principal streets and attention given to new streets recently accepted by the Town. A new drain was constructed on Linden Street as an extension of the town drainage system and it is hoped that a further extension may be constructed during the coming year.

Granolithic sidewalks in the town were constructed under the direction of this Board, and were built only where owners of property petitioned for and stated their willingness to pay one-half the cost of same. It is hoped this will prove the beginning of a comprehensive sidewalk system which will eventually cause pedestrians to give up the practice of walking in the streets, thus eliminating a potential cause of accidents.

The water situation relative to providing additional storage capacity continues to demand attention of the Board. The present storage capacity is not adequate to meet the present and normal growing needs of the Town and the addition of a million gallon storage tank is recommended to the Board by a competent engineer as being necessary to safeguard our present and future requirements.

The cost of sewer operation continues high without much opportunity for a reduction. The necessity of sewers in the greater part of the town is not urgent from a health standpoint; therefore, only short extensions are recommended where residents express a desire for the same.

With the parks and playgrounds of the town in a deplorable condition, much comment is heard, always with the final conclusion that something should be done. It is our belief also that something should be done; first, with the parks and playgrounds now under control of the town; and second, by additions to the present system in sections of the town now without any playground facilities.

A careful and systematic development of our present parks and playgrounds should be begun at once and land for a new playground should be acquired in the northerly section of the Town which is rapidly developing. Any recommendations regarding parks would be incomplete if nothing was said about our Common. It is our understanding that there are two movements under way for the development of this park and the Board feels that in connection with these improvements consideration should be given to the widening of Main and Harnden Streets as well as a closing of a portion of Salem Street. It is also our opinion that the placing of an obstruction in the form of an island in the direct path of our greatest through traffic, would be a serious mistake and result in even greater congestion in our center as well as being the cause of many accidents.

The Town has been enjoying a healthy growth for the past year and this growth bids fair to continue. The growth naturally depends on new streets as outlets for the many new homes. This development of new streets has caused many plans to be submitted to the Board of Survey for their approval, this approval being granted only after co-ordination with neighboring streets is considered; conditions as shown on the plans are checked, and hearings are held as provided by law. Street plans have been approved during the year, many of which streets will be submitted to the Town at the annual meeting for acceptance. Following is the superintendent's report giving in detail the accomplishments and expenditures of the Board.

Respectfully submitted,

HARRY N. BROWN, Chairman,  
SAMUEL H. DAVIS, Secretary,  
MARTIN B. HARTSHORN  
MILES C. HIGGINS  
HAROLD W. PUTNAM.

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## SUPERINTENDENT'S REPORT

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### To the Board of Public Works:

Gentlemen:—As required by Section 4, Chapter 118, of an Act authorizing the Town of Reading to establish a Board of Public Works, I respectfully submit for your consideration the eighth annual report

of the Department of Public Works (Water, Highway, Sewer and Park), including a financial report of each department, and a chronicle of the principal work performed with recommendations for the coming year.

### WATER DEPARTMENT

#### Maintenance Account

##### Receipts:

Cash Balance, 1928 .....	\$ 4,432.93
Meter Rates .....	42,230.44
Hydrant Rental .....	7,875.00
Service Pipe Construction .....	2,548.17
Miscellaneous Receipts .....	1,241.85
<b>Total .....</b>	<b>\$ 58,328.39</b>

##### Expenditures:

##### 1. Office Maintenance:

Pay Roll .....	\$ 936.00
Supplies, Printing, Insurance, etc. ....	1,556.56

Total ..... \$ 2,492.56

##### 2. Pumping Station Costs:

Pay Roll .....	\$ 4,546.15
General Repairs .....	761.91
Supplies and Misc. ....	3,028.20

Total ..... \$ 8,336.26

##### 3. Filter Costs:

Pay Roll .....	\$ 2,547.82
Electric Power .....	510.78
Supplies, Repairs, Misc. ....	1,492.18

Total ..... \$ 4,550.78

##### 4. Maintenance of Meters:

Pay Roll .....	\$ 1,301.32
Supplies and Repairs .....	944.10

Total ..... \$ 2,245.42

##### 5. Maintenance of Service Pipes:

Pay Roll .....	\$ 470.82
Tools and Supplies .....	317.65

Total ..... \$ 788.47

6. Maintenance of Main Pipes:		
Pay Roll .....	\$ 1,049.25	
Miscellaneous Supplies ....	611.21	
	<hr/>	
Total .....		\$ 1,660.46
7. Maturing bonds paid from		
Receipts .....		\$ 10,000.00
8. Bond Interest paid from		
Receipts .....		\$ 2,692.50
9. Air Compressor Maintenance:		
Electric Power .....	\$ 1,610.72	
Repairs .....	4.09	
	<hr/>	
Total .....		\$ 1,614.81
10. Automobile Truck Maintenance:		
Repairs on old Truck and		
new Truck .....	\$ 1,370.54	
	<hr/>	
Total .....		\$ 1,370.54
11. Shop Maintenance:		
Repairs and Misc. Supplies	\$ 1,170.23	
	<hr/>	
Total .....		\$ 1,170.23
12. Main Pipe Construction:		
Pay Roll .....	\$ 827.95	
Fittings and Misc. Supplies	1,175.54	
	<hr/>	
Total .....		\$ 2,003.49
13. Service Pipe Construction:		
Pay Roll .....	\$ 2,603.29	
Pipe, Tools, and Misc.		
Supplies .....	2,511.40	
	<hr/>	
Total .....		\$ 5,114.69
14. Meter Construction:		
Meters .....	\$ 1,855.58	
Supplies .....	13.45	
	<hr/>	
Total .....		\$ 1,869.03
15. Hydrants and Drinking Fountains:		
Pay Roll .....	\$ 423.99	
Repairs, Fittings, and Sup-		
plies .....	1,026.00	
	<hr/>	
Total .....		\$ 1,449.99

16. Pitometer Survey:		
Pay Roll .....	\$ 558.41	
Bills .....	2,326.93	
	<hr/>	
Total .....	\$ 2,885.34	
Grand Total Expenditures		\$ 50,244.57
		<hr/>
Balance Cash on Hand ....		\$ 8,083.82
Main Pipe Extension Account:		
Balance Jan. 1, 1928 .....		\$ 5,299.22
Expended 1928:		
Pay Roll .....	\$ 981.60	
Bills .....	2,372.32	
		\$ 3,353.92
		<hr/>
Balance .....		\$ 1,945.30
Aviation Sign on Standpipe Acct		
Appropriation .....		\$ 200.00
Expended		
Bills .....		200.00
Balance .....		00.00
		<hr/>
Cost of Plant December 31, 1927 .....		\$492,162.51
Expended 1928 .....		
Maintenance Account Main Extensions	\$ 2,003.49	
Construction Account Main Extensions	3,353.92	
Meters .....	1,869.03	
	<hr/>	\$ 7,226.44
		<hr/>
Total Cost of Plant Dec. 31, 1928 .....		\$499,388.95
The interest for the year 1928 on serial bonds amounted to \$2,692.50 as follows:		
March 15, 1928, \$15,000 bonds for six months at 4% .....	\$ 300.00	
May 1, 1928, \$16,000 bonds for six months at 4% .....	320.00	
(Due \$2,000)		
June 1, 1928, \$24,000 bonds for six months at 4 % .....	480.00	
(Due \$6,000)		
June 1, 1928, \$15,000 bonds for six months at 4½% .....	337.50	
(Due \$1,000)		
Sept. 15, 1928, \$15,000 bonds for six months at 4 % .....	300.00	
(Due \$1,000)		
Nov. 1, 1928, \$14,000 bonds for six months at 4% .....	280.00	
Dec. 1, 1928, \$18,000 bonds for six months at 4 % .....	360.00	



Dec. 1, 1928, \$14,000 bonds for six months at  $4\frac{1}{2}\%$  ..... 315.00

\$ 2,692.50

There were \$10,000 in bonds payable in 1928.

The interest for the year 1929 on serial bonds amounts to \$ 2,287.50

There are \$10,000.00 in bonds payable in 1929 as follows:

	Principal March	Interest Sept.	Principal May	Interest Nov.	Principal June	Interest Dec
4% Water bonds issued						
Sept. 15, 1927 .....		\$ 280.00	\$1,000.00	\$ 280.00		
4% Water bonds issued						
May 1st 1927 .....	\$2,000.00	280.00		240.00		
4% Water bonds issued						
June 1st, 1901 .....	5,000.00	200.00		100.00		
4% Water bonds issued						
June 1st, 1907 .....	1,000.00	160.00		140.00		
$4\frac{1}{2}\%$ Water Bonds issued						
June 1st, 1917, 1918 .....	1,000.00	315.00		292.50		
Totals .....	<u>\$9,000.00</u>	<u>\$1,235.00</u>	<u>\$1,000.00</u>	<u>\$1,052.50</u>		

# FINANCIAL STATISTICS

## EXPENDITURES

### Water Works Maintenance

Total Maintenance .....	\$ 28,564.86
Interest on Bonds .....	2,692.50
Payment of Bonds .....	10,000.00
Total Maintenance ...	\$ 41,257.36

### Water Works Construction

Extensions of Mains ....	\$ 5,357.41
Extension of Services ...	5,114.69
Extension of Meters ....	1,869.03
Total Construction ....	\$ 12,341.13
Balance .....	10,029.12
	\$ 63,627.61

## RECEIPTS

Balance brought forward from 1927 .....	\$ 4,432.93
Balance of unexpended Construction account Dec. 31, 1928 .....	5,299.22
From Meter Rates .....	\$ 42,230.44
Private Drinking Fountains .	5.50
Total from Consumers .....	42,235.94

From Drinking Fountains ..	\$ 100.00
From Hydrants .....	7,875.00

Total from Municipal Departments .....	\$ 7,975.00
Rents, Fines, Summons, Misc. Receipts .....	702.32
Service Pipes .....	2,982.20
Total .....	\$ 63,627.61

## REGISTRATION REPORT

Amount of bills (metered water) rendered in 1928 .....		\$ 42,632.14
Amount collected and paid Treasurer .....	\$ 42,112.04	
Amount uncollected .....	24.85	
Amount abated .....	495.25	
	<hr/>	<hr/>
	\$ 42,632.14	\$ 42,632.14
Amount of bills (metered water) of previous years uncollected .....		\$ 123.40
Amount collected and paid Treasurer .....	\$ 118.40	
Amount uncollected .....		
Amount abated .....	5.00	
	<hr/>	<hr/>
	\$ 123.40	\$ 123.40
Amount of Service Pipe Construction bills rendered in 1928 .....		\$ 2,696.84
Amount of bills of previous years uncollected ..		178.88
Amount collected and paid Treasurer .....	\$ 2,548.17	
Amount uncollected .....	327.55	
Amount abated .....		
	<hr/>	<hr/>
	\$ 2,875.72	\$ 2,875.72
Amount of Service Pipe Maintenance bills rendered in 1928 .....		\$ 428.48
Amount of bills of previous years uncollected ..		10.61
Amount collected and paid Treasurer .....	\$ 434.03	
Amount uncollected .....	5.06	
	<hr/>	<hr/>
	\$ 439.09	\$ 439.09
Amount of Main Pipe Maintenance bills rendered in 1928 .....		\$ 50.00
Amount of bills of previous years uncollected..		64.52
Amount collected and paid Treasurer .....	\$ 114.52	
Amount uncollected .....		
Amount abated .....		
	<hr/>	<hr/>
	\$ 114.52	\$ 114.52

## RAINFALL

The average rainfall for Massachusetts as deduced by the State Department of Health from long continued observation in various parts of the State is 44.54 inches.

As may be seen by a table in this report showing the amount of rainfall for the years 1900 to 1928 inclusive, the average rainfall at the Reading Pumping Station is 40.92 inches. The rainfall this past year was a deficiency of 3.54 inches compared with the State observations and an increase of .08 inches from our Pumping Station observations. There was an excess of rainfall in the months of April, June, July, August, September and October of 5.55 inches, and a deficiency in the other months of 54.7 inches, comparing each month with an average rainfall between the years 1900-1928 inclusively.

The greatest rainfall in any one day was on September 9th of 1.74 inches.

The elevation of the Reading Pumping Station is approximately 80 feet above sea level.

	Normal Rainfall (Inches)	Rainfall in 1928 (Inches)	Excess or Deficiency in 1928 (Inches)
January .....	3.31	2.17	-1.14
February .....	3.44	3.37	— .07
March .....	3.54	1.45	-2.09
April .....	4.02	5.13	+1.11
May .....	3.01	2.77	— .24
June .....	3.67	6.63	+2.96
July .....	3.51	3.65	+ .14
August .....	3.34	3.84	+ .50
September .....	3.49	4.18	+ .69
October .....	2.81	2.96	+ .15
November .....	3.25	2.28	— .97
December .....	3.53	2.57	— .96
	40.92	41.00	+ .08

COMMONWEALTH OF MASSACHUSETTS, STATE DEPT. OF HEALTH  
WATER ANALYSIS—PARTS IN 100,000

No.	Date of Collection	Appearance		Color	Residue on Evaporation	Ammonia		Chlorine	Nitrogen as		Hardness	Iron	Remarks
		Turbidity	Sediment			Free	Total		Nitrates	Nitrites			
200207	9/21/27	Very slight	None	15	17.80	.0092	.0080	1.90	.0040	.0002	8.6	0.44	Tap
201603	11/14/27	Very slight	None	14	16.40	.0112	.0064	1.58	.0040	.0001	6.7	0.43	Tap
200205	9/21/27	Slight iron	Distinct iron	Iron	11.20	.0280	.0345	2.16	.0180	.0000	3.9	.310	Filter Gallery
201601	11/14/27	Distinct iron	Very cons. iron	Iron	11.40	.0166	.0232	1.92	.0080	.0000	2.7	.340	Filter Gallery
200206	9/21/27	Very slight	None	.04	12.50	.0184	.0100	2.20	.0040	.0000	4.3	.005	Filter Weir
201602	11/14/27	Very slight	None	.10	10.60	.0154	.0094	1.92	.0030	.0000	3.1	.014	Filter Weir
202653	1/29/28	Very slight	None	.06	13.90	.0126	.0060	1.38	.0040	.0000	5.9	.013	Tap main pump
203856	3/29/28	None	Very slight	.11	12.70	.0090	.0046	1.06	.0030	.0001	5.9	.032	Tap main pump
202654	1/29/28	Very slight	None	.09	13.00	.0056	.0058	1.32	.0030	.0001	5.9	.018	Tap Boiler Room
203857	3/29/28	Very slight	Very slight	.25	12.20	.0040	.0054	1.06	.0030	.0000	5.4	.046	Tap Boiler Room
202652	1/29/28	Slight iron	Cons. iron	Iron	8.60	.0120	.0150	1.39	.0060	.0000	3.0	.130	Filter Gallery
203855	3/29/28	Very slight iron	Slight iron	1.00	7.60	.0122	.0144	1.16	.0050	.0000	2.5	.155	Filter Gallery
202651	1/19/28	None	Very slight	.91	7.40	.0080	.0154	1.10	.....	.....	1.6	.025	River
203854	3/29/28	None	Very slight	.75	4.50	.0008	.0156	.72	.....	.....	1.7	.014	River
204900	5/22/28	Distinct iron	Cons iron	1.40	9.70	.0130	.0238	.97	.0060	.0001	1.8	.600	Filter Gallery
204901	5/22/28	Very slight	None	.23	12.10	.0084	.0064	.86	.0020	.0000	5.3	.055	Tap Pump
204902	5/22/28	Very slight	None	.29	13.20	.0044	.0064	.89	.0020	.0000	5.3	.055	Tap Boiler Room
204899	5/22/28	Very slight	Slight	2.00	8.10	.0088	.0376	.80	.....	.....	1.7	.073	River



## KIND AND SIZE OF METERS IN USE JANUARY 1, 1929

Make	Sizes							Totals.
	$\frac{5}{8}$ in.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.	2 in.	3 in.	
Nash.....	1141	13	11	1	3	3	..	1172
Empire.....	259	1	2	..	..	..	2	264
Hersey.....	343	4	11	1	9	4	1	373
Trident.....	127	..	..	..	..	..	..	127
Gamon.....	184	..	2	..	..	..	..	186
Crown.....	74	2	2	..	3	7	..	88
Lambert.....	51	..	2	..	..	..	..	53
Union.....	52	..	1	..	1	..	..	54
Worthington.....	25	..	..	..	..	1	..	26
Pittsburg.....	13	..	..	..	..	..	..	13
Thompson.....	6	..	1	..	..	..	..	7
Columbia.....	2	..	..	..	..	..	..	2
Federal.....	8	..	..	..	..	..	..	8
Keystone.....	1	..	..	8	..	..	..	9
Total.....	2286	20	32	10	16	15	3	2382

## YEARLY RECORD OF PUMPING STATION FROM JANUARY 1,

1928 TO JANUARY 1, 1929

Month	No. Days	Hrs.	Min.	Gallons Pumped	Total Head	Pounds Coal	Gals. to Lb. Coal	Rain Fall
January.....	31	380	30	10,122,344	219	51,339	197	2.17
February.....	29	358	00	9,824,022	219	54,019	182	3.37
March.....	31	386	00	10,599,606	219	54,888	193	1.45
April.....	30	391	30	11,273,724	219	55,100	205	5.13
May.....	31	402	45	11,751,200	219	55,597	211	2.77
June.....	30	391	30	11,855,130	219	57,778	205	6.63
July.....	31	405	30	11,705,814	219	56,171	208	3.65
August.....	31	408	30	11,593,926	219	56,854	204	3.84
September.....	30	362	15	10,565,444	219	53,071	199	4.18
October.....	31	372	00	11,277,404	219	57,261	197	2.96
November.....	30	344	15	10,381,284	219	53,022	196	2.28
December.....	31	368	25	10,764,810	219	56,085	192	2.57
Totals.....	366	4571	10	131,714,708	219	661,185	199	41.00

Average pumpage per day 359,876 gallons

TABLE SHOWING THE AMOUNT OF RAIN AND MELTED  
SNOW FOR YEAR ENDING DEC. 31, 1928

Day of Month	January	February	March	April	May	June	July	August	September	October	November	December	Day of Month
1	T.					.14	.01	.25					1
2						.04			.05		.03		2
3								.01	1.01		.31		3
4						.51	.51				.10		4
5						.33	.45	.69		.17		.14	5
6					.03	.14		.28			.04		6
7		.50	.01	.06		T.		.02	T.		.05	.01	7
8	.09	.67						T.			.20	.07	8
9	.08	.24	.49			1.42		T.		.18		.58	9
10		.01					.01	.08				.03	10
11	T.	T.	.07	.30	.05		T.		T.				11
12	.03								.03	.01			12
13	.05						.44		.41	.02			13
14	.07	.71	T.	.34		.59	.06		.01				14
15		T.											15
16	.28									.02	.05		16
17		.40	.02					.03	.02		.04	.32	17
18		.22	.51		.16	.79		.79	.04	.34	.05		18
19	.62			.56	.30	.90			1.74	.56	.27		19
20	T.				.59	.10	.31		.04			.17	20
21		T.		.64	T.	T.					.23		21
22		.17	.30	.74	.02	.07	1.41						22
23		.45		.90	.04	T.	T.	.03	.14	1.53			23
24	.83			.07	.77	.03							24
25				T.	T.	T.		1.24	.24		.09		25
26				.43				.21	.44				26
27				.81	T.	.04	.09	T.	.01	.04		1.25	27
28	.07			.56	.33	T.	.36	T.	T.	.09			28
29	.05			.04		1.18							29
30			.05	.11		.35		.21			.82		30
31					.05								31
Total ....	2.17	3.37	1.45	5.13	2.77	6.63	3.65	3.84	4.18	2.96	2.28	2.57	Total
Total to Date.....	2.17	5.54	6.99	12.12	14.89	21.52	25.17	29.01	33.19	36.15	38.43	41.00	Total to Date

## RAINFALL AT PUMPING STATION

1900—1928

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1901	5.32	8.69	5.03	2.15	4.60	3.13	1.90	3.17	4.15	3.31	5.05	2.44	48.94
1902	1.33	1.08	5.88	9.59	7.21	1.74	4.65	2.66	3.59	2.76	3.06	8.10	51.65
1902	1.80	6.11	4.69	6.22	1.69	1.98	3.02	3.75	4.01	4.91	0.99	5.60	44.77
1903	3.84	3.16	6.38	4.95	0.48	8.91	3.40	3.42	2.29	3.69	1.33	2.59	44.44
1904	4.42	2.21	2.21	9.90	3.56	2.56	1.88	4.26	5.16	2.02	1.80	2.25	42.23
1905	5.44	1.47	2.92	2.59	1.39	6.11	1.19	3.30	7.87	1.20	2.22	3.72	39.42
1906	2.60	2.53	6.48	2.84	5.14	2.63	5.88	4.18	1.36	2.38	3.31	3.08	42.41
1907	3.97	2.10	2.40	3.21	2.89	3.80	3.58	1.33	7.90	3.36	6.83	3.60	44.97
1908	3.07	4.28	2.72	1.71	4.00	1.58	3.08	4.07	0.86	3.56	1.10	2.66	32.70
1909	4.17	5.33	3.57	3.95	1.97	2.14	3.59	2.75	3.74	1.23	4.06	3.60	40.10
1910	4.54	3.14	1.58	2.32	1.19	4.36	1.98	2.61	2.45	1.48	4.30	1.92	31.87
1911	2.25	2.94	3.12	1.89	0.67	3.43	4.79	3.80	2.94	2.91	4.14	3.57	36.45
1912	2.68	2.42	5.04	4.05	5.73	0.29	6.44	2.02	3.02	1.45	3.10	4.80	41.04
1913	2.48	2.64	4.51	3.76	3.45	0.93	1.68	3.48	3.66	7.56	2.13	3.24	39.52
1914	3.34	3.65	4.09	6.32	2.76	1.44	2.34	2.78	0.23	1.51	2.92	3.69	35.07
1915	5.52	3.54	0.00	2.72	1.68	4.60	8.76	6.66	0.70	2.80	2.93	5.47	45.38
1916	1.22	5.37	3.37	5.14	4.59	5.86	3.13	2.30	3.11	1.01	1.94	2.91	39.95
1917	2.92	2.41	4.18	2.90	4.00	4.78	1.19	3.70	1.46	5.75	1.39	2.65	37.33
1918	3.08	3.02	2.02	4.10	0.85	3.04	2.99	2.81	8.37	1.02	2.24	2.48	36.02
1919	3.24	3.61	4.01	2.46	5.44	0.88	3.22	3.83	5.65	2.63	6.20	1.53	42.70
1920	2.75	6.46	4.21	5.75	3.27	5.24	1.94	2.02	4.27	1.16	4.67	4.82	46.56
1921	2.09	3.43	2.43	5.48	1.86	4.02	9.79	1.96	1.74	1.57	6.50	2.28	43.15
1922	1.77	2.72	4.27	1.37	5.08	11.27	4.88	3.29	3.68	2.73	1.06	3.12	45.24
1923	6.95	1.67	2.60	5.17	1.56	2.79	1.98	3.17	.82	3.63	4.13	4.83	39.30
1924	3.77	2.55	1.71	4.25	3.10	2.53	2.70	4.80	7.95	.05	2.56	1.52	37.49
1925	4.28	2.14	7.66	2.95	2.05	5.62	3.13	2.37	2.16	4.66	3.94	5.53	46.49
1926	2.53	4.41	2.83	2.24	2.19	1.80	2.08	3.30	1.32	3.95	3.89	3.08	33.62
1927	2.32	3.18	1.30	1.43	2.19	2.27	3.04	5.28	2.68	4.10	4.18	4.77	36.74
1928	2.17	3.37	1.45	5.13	2.77	6.63	3.65	3.84	4.18	2.96	2.28	2.57	41.00
Average	3.31	3.44	3.54	4.02	3.01	3.67	3.51	3.34	3.49	2.81	3.25	3.53	40.915

## SUMMARY OF STATISTICS

For Year Ending December 31, 1928

Reading Water Department  
Reading, Middlesex County, Massachusetts

## General Statistics

Population by census of 1925: 8796.

Date of construction: 1890-1891.

By whom owned: Town of Reading.

Sources of Supply: Filter gallery and artesian wells.

Mode of supply: (Whether gravity or pumping): Pumping.

Builders of Pumping Machinery: Sullivan Mch. Co., Geo. F. Blake Mfg.  
Co., and Platt Iron Works.

Description of fuel used:

Kind: Coal.

Brand of coal: New River and all rail Penn.

Average price of coal per net ton delivered: \$6.99.

Coal consumed for year: 661,185 lbs.

Total pumpage for year: 131,714,708 gallons with allowance for slip.

Average static head against which pumps work: 219.

Average dynamic head against which pumps work: 240.

Number of gallons pumped per pound of equivalent coal: 199.

Gallons pumped  $\times$  8.34 (lbs.)  $\times$  100  $\times$  dynamic head (240).
$$131,714,708 \times 8.34 \times 100 \times 240$$

Duty equals \_\_\_\_\_ equals 131,648,936.15.

Total fuel consumed 661,185.

including heating.

Cost of pumping, figured on Pumping Station expenses, including filtration,  
viz: \$12,887.04.

Cost per million gallons pumped: \$97.84.

Cost per million gallons raised one foot (dynamic): \$.407.

## DISPOSITION OF BALANCE—Carried to New Account

Net cost of works Dec. 31, 1928 .....	\$499,388.95
Bonded debt, Dec. 31, 1928 .....	60,000.00
Total cost of supplying water per million gallons figured on total maintenance plus interest on bonds: \$237.31.	

## Statistics Relating to Distributing Mains

Kind of pipe: Galv. iron and cast iron.

Sizes: From 1-¼ inches to 12 inches.

Extended: 1,440.50 feet during year of six-inch pipe.

Total now in use: 37.86 miles of 6 inch pipe or larger.  
 Cost of repair per mile: \$4.04.  
 Number of hydrants (public and private) now in use: 241.  
 Number of stop gates added during the year: 0.  
 Number of stop gates now in use: 551.  
 Number of stop gates smaller than 4-inch: 126.  
 Number of blow-offs: 13.  
 Range of pressure on mains: 45 lbs. to 90 lbs.

#### Services:

Kind of pipe: Cast iron, galvanized iron, lead and cement lined.  
 Sizes:  $\frac{3}{4}$  inch to 6 inch.  
 Extended: 1928: 6,297.90 feet.  
 Discontinued 1928: 0 feet.  
 Total now in use: 34.25 miles.  
 Number of service taps added during the year: 96.  
 Number now in use: 2,316.  
 Average length of service installed in 1928: 65.60 feet.  
 Average cost of service installed 1928: \$53.28.

#### Meters:

Number of meters purchased: 139.  
 Number of meters discarded: 19.  
 Number now in use: 2382.  
 Percentage of services metered: 97 $\frac{1}{2}$ %.  
 Number of motors and elevators added: None.  
 Number now in use: None.

### LOCATION OF FIRE HYDRANTS

Note: "G"—Gated

#### Ash Street

West side, South cor. Gould	G
West side, opp. No. 50	G
West side, North cor. Avon	G
West side, North cor. Cross	

#### Auburn Street

South side, West cor. Beacon	G
South side, in front of Weston's Greenhouse	

#### Bancroft Avenue

West side, between Middlesex and Mt. Vernon	G
West side, South cor. Middlesex Ave.	
East side, South cor. Weston Rd.	G
East side, opposite Tower Rd.	G

#### Bay State Road

North side, West of No. 52	
North side, West cor. Haverhill St.	



<b>Beech Street</b>	
West side, cor. Lakeview Ave.	G
<b>Berkeley Street</b>	
West side, in front of No. 14	
<b>Brook Street</b>	
East side, South cor. Ash	
<b>Center Avenue</b>	
North side, West of No. 13	
<b>Deering Street</b>	
East side, South cor. Lowell	G
<b>Dudley Street</b>	
North side, West cor. Deering	
<b>Eaton Street</b>	
East side, South cor. Salem	G
East side, North cor. Pleasant	
East side, cor. Green	G
<b>Elliott Street</b>	
East side, North cor. Green	G
<b>Fair Road</b>	
North side, opp. house of A. H. Parsonson	
<b>Federal Street</b>	
North side, in front of No. 35	
<b>Forest Street</b>	
North side, cor. Wells Road	G
North side, cor. Van Norden Rd.	G
North side, West of Stoney Brook	G
North side, cor. Colburn Rd.	G
North side, cor. Hurlburt Rd.	G
North side, cor. Martin Rd.	G
North side, East of Grove St.	G
<b>Franklin Street</b>	
North side, East cor. Pearl	
North side, East of No. 159	G
North side, near Corton's	G
North side, East of No. 279	G
West side, opp. No. 336	
West side, North of No. 393	
West side, North of No. 413	
East side, near Grove St.	
<b>Fremont Street</b>	
North side, East cor. Berkeley	G
<b>Grand Street</b>	
East side, in front of No. 27	
<b>Green Street</b>	
North side, in front of No. 18	
North side, in front of No. 104	

**Grove Street**

West side, in front of No. 22	G
West side, in front of No. 52	G
West side, opp. Forest	
West side, South of No. 151	G

**Hancock Street**

West side, in front of No. 26	
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**Hanscom Avenue**

West side, North of No. 8	
West side, opp. No. 33	

**Hartshorn Street**

West side, in front of No. 18	G
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**Haven Street**

North side, East cor. Chute	
North side, opp. Gould	
South side, opp. Linden	
South side, opp. Sanborn	
North side, in front of No. 100	

**Haverhill Street**

West side, North cor. Wakefield	G
West side, in front of No. 266	G
West side, South cor. Charles	G
West side, North of No. 368	
West side, North of No. 454	
West side, cor. Franklin	

**High Street**

East side, South of Green St.	G
East side, South cor. Mt. Vernon	
East side, in front of No. 135	
East side, opp. Mineral	G
East side, opp. Vine	

**Highland Street**

East side, opp. No. 40	G
West side, South cor. Locust	

**Hillside Road**

North side, West cor. Waverly Rd.	
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**Hillcrest Road**

East side, North cor. Ellis Ave.	
East side, opp. No. 49	

**Howard Street**

South side, in front of No. 24	
South side, West cor. Sigsbee Ave.	

**John Street**

West side, North cor. Pleasant	G
West side, North cor. Haven	
West side, cor. Village	

East side, opp. Boston Stove Foundry	
<b>King Street</b>	
South side, opp. No. 13	
<b>Kingston Street</b>	
East side, in front of No. 13	
<b>Libby Avenue</b>	
Junction Salem St.	G
Junction 'C' Street	G
Junction 'F' Street	G
<b>Linden Street</b>	
West side, in front of Home for Aged Women	
<b>Locust Street</b>	
South side, in front of No. 24	G
<b>Longview Road</b>	
North side, near house of B. McLane	G
<b>Longwood Road</b>	
North side, Sta. 400	G
North side, Sta. 900	G
North side, Junction Sand Pit Road	G
<b>Lowell Street</b>	
South side, West cor. Sanborn	G
North side, East cor. Bancroft Avenue	G
South side, West cor. Grand	
South side, East cor. Willow	
South side, opp. No. 223	
South side, opp. No. 281	
<b>Main Street</b>	
West side, South cor. Pearl	G
West side, South cor. Franklin	G
West side, South of No. 430	G
West side, South of No. 408	G
West side, opp. No. 399	G
West side, opp. No. 383	G
West side, North cor. Forest	G
West side, in front of No. 326	G
West side, North of No. 306	G
West side, South of No. 294	G
West side, in front of No. 250	G
West side, South cor. Locust	G
West side, opp. Charles	G
West side, North cor. Salem	G
West side, South point of Common	
East side, in front of Reading Inn	G
East side, in front of Theatre Lunch	G
West side, South cor. Green	
West side, North side of R. R. Crossing	

West side, opp. Avon	G
West side, opp. Cross	
West side, South cor. Summer Ave.	
West side, North cor. Hopkins	G
West side, North cor. South	G
West side, South of No. 16	
<b>Manning Street</b>	
West side, cor. Pleasant	G
<b>Maple Street</b>	
East side, in front of No. 4	
<b>Middlesex Avenue</b>	
South side, East cor. Deering	G
<b>Middlesex Avenue Extension</b>	
North side, in front of No. 23	
<b>Mill Street</b>	
South side, opp. Pumping Station	G
<b>Mineral Street</b>	
North side, East cor. Vine	
North side, East cor. Hancock	
North side, East cor. Summer Ave	G
<b>Minot Street</b>	
West side, in front of No. 52	
West side, South of Warren Ave.	
West side, in front of No. 16	G
<b>Mt. Vernon Street</b>	
North side opp. Chute	
<b>Oak Street</b>	
North side, West cor. Hillcrest Rd.	
North side, opp. No. 78	
<b>Orange Street</b>	
South side, East cor. Belmont	
<b>Park Avenue</b>	
North side, opp. No. 24	G
<b>Park Street, off Auburn</b>	
East side, cor. Elm	G
<b>Parker Street</b>	
East side, near Central Fire Station	
<b>Pearl Street</b>	
East side, South cor. Thorndike	G
East side, South cor. Charles	
East side, opp. No. 108	
East side, in front of No. 143	
East side, opp. Forest	
<b>Pierce Street</b>	
West side, South cor. Orange	

<b>Pinevale Road</b>	
North side, junction Main	G
<b>Pleasant Street</b>	
North side, West cor. Middle	
<b>Pratt Street</b>	
East side, North cor. Fairview Ave.	
<b>Prescott Street</b>	
North side, opp. C. H. Bangs Co.'s Shop	
North side, West cor. Arlington	
North side, West cor. Washington	
North side, opp. Sunnyside Rd.	G
North side, East cor. Pratt	
North side, East cor. Perkins Ave.	
<b>Prospect Street</b>	
West side, in front of No. 34	
West side, North cor. King	G
West side, in front of No. 88	G
<b>Salem Street</b>	
North side, opp. John	G
North side, in front of Memorial Park	
South side, opp. Pearl	
North side, West cor. Belmont	G
North side, West cor. Bay State Rd.	
<b>Sanborn Street</b>	
West side, between Woburn and Haven	G
<b>School Street</b>	
East side, opp. Dudley	G
<b>Scotland Road</b>	
South side, opp. No. 21	
<b>Shackford Road</b>	
North side, West cor. Ash	G
<b>South Street</b>	
North side, opp. No. 197	
North side, East cor. Curtis	
North side, cor. Walnut	
East side, cor. South	G
East side, West of No. 54	
<b>Spring Street</b>	
West side, south of No. 16	G
<b>Summer Avenue</b>	
West side, opp. Woodbine	
West side, South of No. 103	G
West side, opp. No. 130	
West side, North cor. Prescott	
West side, South cor. Scotland Rd.	
West side, North cor. Oak	



West side, South of No. 253	
West side, opp. No. 306	
South side, East cor. Hopkins	
North side, West of No. 392	
North side, in front of No. 412	
<b>Temple Street</b>	
North side, opp. No. 38	
North side, near Jr. High School	G
<b>Union Street</b>	
South side, West cor. Middle	G
<b>Van Norden Road</b>	
North side, near Calden's	G
South side, cor. Harold Ave.	G
North side, near Howard's	G
<b>Village Street</b>	
East side, North cor. Green	G
<b>Vine Street</b>	
South side, East cor. Vine	
<b>Wakefield Street</b>	
North side, East cor. Charles	
North side, East cor. Pearl	
<b>Walnut Street</b>	
North side, near Hopkins	
North side, opp. No. 56	
North side, opp. Curtis	G
North side, opp. South	
<b>Warren Avenue</b>	
South side, opp. No. 15	
<b>Washington Street</b>	
North side, in front of No. 46	
North side, West cor. Ash	G
North side, cor. Elliott	G
<b>West Street</b>	
West side, South of No. 22	G
East side, South of No. 34	
West side, North of No. 46	G
West side, opp. Oak	
West side, South of No. 128	
West side, South of No. 164	
West side, opp. King	
West side, opp. No. 241	
East side, South of house of Emma S. Knowles	
West side, opp. house of Geo. P. Abbott	G
West side, opp. Cottage Park Rd.	G
<b>Willow Street</b>	
North side, opp. No. 30	
West side, South cor. Summer Ave.	

<b>Winter Street</b>	
East side, North cor. Salem	G
<b>Winthrop Avenue</b>	
East side, South cor. Weston Road	
<b>Woburn Street</b>	
North side, at Common	G
North side, East cor. Sanborn	
North side, West cor. Linden	
North side, East cor. Chute	G
North side, East cor. Washington	
North side, East cor. Temple	
North side, opp. Pratt	
North side, East cor. Summer Ave	
North side, West cor. Prospect	
North side, West cor. Berkeley	G
<b>Woodward Avenue</b>	
North side, West cor. Vale Road	G

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### Private Hydrants

<b>Ash Street</b>	
Reading Rubber Mfg. Co.	
2 South of Mill	
3 North of Mill	
1 East of Boiler House	
<b>Sanford Mills</b>	
2 North of Mill	
1 East of Mill	
2 South of Mill	
<b>O. P. Symonds &amp; Sons</b>	
1 West of Mill	
<b>John Street</b>	
Boston Stove Foundry	
1 near office	
1 near water tank	
<b>Off Pleasant Street</b>	
1 near Foote's Greenhouse	
<b>Totals on Hydrants:</b>	
Total No. public hydrants: 226.00	
Total No. public hydrants gated: 101	
Percent gated: 45%	
Total No. private hydrants: 15	
Hydrant Rental: \$7,910.00	

## WATER DEPARTMENT

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Following is the principal work performed other than the regular repairs, together with recommendations for the ensuing year.

### Pumping Station:

1. A new boiler feed pump has been installed.
2. Air pipes to the filters have been renewed.
3. The three filters and clear well have been cleaned.
4. No. 2 Artesian Well was pulled, redrilled and new air pipes installed.
5. The north side of the store-house has been repapered.
6. A long distance recording guage between the stand-pipe and the Station has been installed. This guage records the exact elevation of the water in the stand pipe at the station.

### Recommendations:

That a new floor in the main Pump Room be laid. The present floor is in poor condition.

### General Maintenance and Construction:

(a) Ninety-six applications for water service have been received and constructed during the year, which is an increase of 14 over last year. The average length of these services is 65.60 feet and their total linear length amounts to 6297.90 feet.

(b) In order to accomplish the above, the distributing mains had to be extended on 13 different streets.

The following tabulation will illustrate this work:

SIZE	California Road	Cross Street	Curtis Street	Gardner Road	Hampshire Road	Haverhill Street	Henzie Street	Lee Street	Penn Avenue	Pinevale Road	Track Road	Vista Avenue	Winthrop Avenue	Van Norden Road	TOTAL
6.....					156.0	73.0			475.0	229.5				507.0	1440.5
1 1/4".....	100.5	397.0	808.9	113.5			267.0	259.3			20.40	139.9	167.8		2274.30
1".....			304.5												304.5
Total.....	100.5	397.0	1113.40	113.5	156.0	73.0	267.0	259.3	475.0	229.5	20.40	139.9	167.8	507.0	4019.30

One new hydrant has been set at the junction of Pinevale Road and South Main street.

A general investigation and attention has been given to all hydrants.

Seventy-eight repair jobs on old services have been ordered and completed during the year.

One hundred and thirty-four new meters were purchased and 304 have been taken out, cleaned, repaired and set back by the men of the Department.

The number of new meters which the Department will need in 1929 will depend on the building operations. Approximately \$2,000.00 will cover the cost of the meters needed as dwellings are ready for them.

Seventeen old meter boxes have been dug up and the meters placed in the cellars.

New main gate location books have been made up. This work consisted in relocating in the field 455 gate boxes and afterwards putting these locations on linen tracing cloth, from which linen blue prints were made.

One hundred eighteen main gate-boxes have been repaired.

While it was believed that the supply mains and distribution system were in good condition, even though the great majority had been in service for 36 years, the Board felt that an exhaustive study and test should be made to determine the presence or absence of underground leaks and capacities of our present mains.

A contract was made with the Pitometer Company of New York to investigate the system, for the purpose of ascertaining the rates of flow, both day and night, the location of underground leaks, closed gates, and other disturbing elements, which tend to break down the efficiency of the works. The survey was completed during the year and the system found to be tight and in good condition. One underground leak was located. Nearly every gate in the system was tested, and fire flow tests at important points about Town were made.

The two most important items in the distribution survey disclosed the necessity of an 8 inch main in Lowell St., between Bancroft Ave., and High St., as an auxiliary supply line to the stand pipe, and the need for more storage capacity.

#### Recommendations:

That a six inch main be laid in Sunnyside Ave.

That an eight inch main be laid in Lowell street between Winthrop avenue and Grand street.

That a six inch main be laid in Weston Road between Hanscom avenue and Bancroft avenue.

That a 1,000,000.00 gallon storage tank be constructed.

That a Storage Yard be obtained to carry the necessary equipment for construction and maintenance work.



## HIGHWAY DEPARTMENT

To the Board of Public Works:

Gentlemen:—The following is the yearly report of the Highway Department:

### Appropriations and Balances

Voted in March Town Meeting, 1928:

1. Highway Maintenance and Const. ....	\$45,000.00
2. Development of Storm Water Drain ....	10,000.00
3. Removal of Snow and Ice .....	5,000.00
4. Maintenance of Storm Drains .....	3,000.00
5. Sidewalk Construction .....	5,000.00
6. Mineral Street Bridge Acct .....	9,000.00

Total .....	\$77,000.00
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### Unexpended Balances from Previous Appropriations:

7. Improved Storm Water Drainage .....	\$ 1,041.55
8. Survey and Plans for Special Drainage .	1,000.00

Total .....	\$ 2,041.55
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Total 1928 Appropriations and Balances.	\$79,041.55
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### Expenditures and Balances of the above Appropriations:

1. Appropriation for Maint. & Const. ....	\$45,000.00
Receipts .....	00.00

Total .....	\$45,000.00
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### Expended:

Pay Roll .....	\$16,012.25
General Repairs .....	2,618.03
Tools, Misc. Supplies .....	9,991.49
Road Materials .....	14,898.02
New Equipment .....	1,124.45

Total .....	\$44,644.24
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Balance Unexpended .....	\$ 355.76
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2. & 7. Appropriation for Storm Water Drainage .....	\$10,000.00
Balance of 1927 .....	1,041.55

Total .....	\$11,041.55
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### Expended:

Pay Roll .....	
Engr. and Contractor .....	\$10,598.42

Fittings .....	324.95	
Miscellaneous .....	111.63	
Total .....		\$11,035.00
Balance Unexpended .....		\$ 6.55
3. Appropriation for Snow and Ice .....		\$ 5,000.00
Expended:		
Pay Roll .....	\$ 1,653.95	
Sidewalk Snow Plowing .....	484.50	
Tools, Supplies, Repairs, etc. ....	1,398.40	
Total .....		\$ 3,536.85
Balance Unexpended .....		\$ 1,463.15
4. Appropriation for Maintenance of Storm Drains .....		\$ 3,000.00
Expended:		
Pay Roll .....	\$ 1,603.11	
Supplies .....	1,396.89	
Total .....		\$ 3,000.00
Balance Unexpended .....		\$ 00.00
5. Appropriation for Sidewalk Construction.		\$ 5,000.00
Expended:		
Pay Roll .....	\$ 1,150.96	
Contractor .....	3,400.52	
Miscellaneous .....	448.52	
Total .....		\$ 5,000.00
Balance Unexpended .....		\$ 00.00
6. Appropriation for Mineral St. Bridge...		\$ 9,000.00
Expended:		
Engineering .....	\$ 450.00	
Contractor .....	\$ 4,250.00	
Engr. and Contract deductions to be paid in 1929 .....	4,300.00	
Total .....		\$ 9,000.00
Balance Unexpended .....		\$ 00.00
8. Balance from Survey and Plans for Special Drainage .....		\$ 1,000.00

## Expended:

No Expenditures in 1928 .....	\$ 00.00
Balance Unexpended .....	\$ 1,000.00
Appropriations, expenditures, etc.:	

**Totals**

Items	Appropriations	Expenditures	Balance	Balance Fwd.
1.	\$45,000.00	\$44,644.24	\$ 355.76	
2. & 7	11,041.55	11,035.00	6.55	6.55
3.	5,000.00	3,536.85	1,463.15	
4.	3,000.00	3,000.00	00.00	
5.	5,000.00	5,000.00	00.00	
6.	9,000.00	4,700.00	4,300.00	4,300.00
8.	1,000.00	00.00	1,000.00	1,000.00
Totals	\$79,041.55	\$71,916.09	\$7,125.46	\$5,306.55

**HIGHWAY DEPARTMENT****SNOW AND ICE:**

Statistics can be gathered by various merchant's associations which bear out the thought that a snow bound town suffers more in loss of trade, than it costs to maintain a well organized crew, with proper snow removal equipment. Modern up to date snow plows are in no sense a luxury. The Public now demands that roads be kept passable at all times. This last winter all streets in town have been opened up, within 24 hours after each storm has finished.

A big addition to our snow fighting equipment has been the purchase of a big wooden street plow. At this time of writing, we have not had a chance to test it out, but we expect to obtain good results from it.

The added weight and power in the four cylinder autocar truck is such that it does as much work as the two, two cylinder trucks put together. When future replacements in trucks are necessary I recommend that the larger trucks be purchased.

**MAINTENANCE WORK:**

Maintenance work consisted in covering 321,945 sq. yds. of street surface. This amount of work, if extended in one straight line 18 feet wide, would be 30.49 miles long. The average cost per sq. yd. was \$.057, payroll \$.684 per hour and the road dressing covered at a rate of 3.15 sq. yds. to a gallon applied. For the general up-keep in maintenance work 317.9 tons of K. P. patching have been used.

**CONSTRUCTION:**

No bituminous macadam was laid this year.

**DRAINAGE:**

The following table will illustrate the amount of improved storm water drainage, which has been constructed this past year.

Location	Size	Catch	
		Length	Basin M.H.
a Linden between Haven & Mt. Vernon	30 in.	763.35 ft.	4 2
b Mt. Vernon, from Linden St. westerly	30 in.	107.65 ft.	2 1
c Woburn St. between Linden & Bancroft	10 in.	465.50 ft.	4 0
d Woburn St. between Linden & Sanborn	15 in.	316.58 ft.	4 1
e Sanborn St. from Woburn St. southerly	12 in.	117.70 ft.	4 0
f Summer Ave. between Scotland Rd. & Ellis Ave.	12 in.	250.00 ft.	2 0
g Ash St. in front of Municipal Light Garage	6 in.	127.00 ft.	1 0
h West St. between Fremont and King	10 in.	105.00 ft.	3 0
i Harrison St. north of Salem St	10 in.	105.00 ft.	0 0

Other drainage work of minor importance has been carried on to relieve certain sections from surface and storm water.

Many old drains have had to be either flushed out or dug up, caused by old catch basins not being trapped off.

The amount of material hauled away from catch-basin cleaning I estimate at 198 tons.

With the available labor, time, and funds, as many water courses as possible were cleaned.

**RECOMMENDATIONS:**

That a 36 inch drain be constructed between Washington St., Crossing and Haven Street.

The extension of the High St., Drain beyond Woburn St., should be made up to Mt. Vernon Street.

Ash and Cross St., culverts should be built, and the open water course between Ash St., and Prescott St., developed.

All of the general outlet channels leading to Lake Quannapowitt should be developed.

Complying with the vote of the Town, passed at the March Town Meeting, the Mineral St., Bridge and Northeast abutment wall has been rebuilt.

**SIDEWALKS:**

New tar sidewalks have been constructed in Copeland Ave., Gould St., Salem St., Washington St., and Prescott St., covering an area of 633.40 sq. yds.

Twenty-nine patches have been placed across sidewalks, where sewer and water connections have been run. This work covered 172.40 sq. yds.

Old tar sidewalks, which were in a dangerous condition, for walking, have received either a skim or two-coat work, amounting to 1219.14 sq. yds.

The Highway Department has hauled 536.15 tons of stonedust for sidewalks, which has covered a length of 24, 233.98 feet or 4.58 miles.

497.24 sq. yds. of granolithic sidewalks were constructed under contract.

The above total sq. yds. of sidewalk work amounts to 15,935.50 sq. yds. and if put in one stretch 5-foot wide, would extend 5.45 miles.

Besides the above described work, the Dept. has constructed new gravel sidewalks, where previously none existed, at the following locations:

Bancroft Ave., between Weston Rd. and Tower Rd.

Hansecom Ave., in from Lowell St., both sides to Weston Rd.

Fairview Ave., North side, between Summer Ave. and Pratt St.

Winthrop Ave., from Lowell East side to angle in road.

Summer Ave., near Woodbine St.

Kingston St., west side along open ditch.

Weston Rd., between Bancroft Ave. and Hansecom Ave. both sides.

Hartshorn St., East side by School.

Grove St., in from Lowell, raised 1 foot.

Oak St., west of Hillcrest Rd.

Orange St., from Winter to Belmont.

West St., west of Woburn St.

Scotland Rd., west of Hillcrest.

Pleasant St., near Wilson.

Hillcrest Rd., between Scotland and Ellis Ave.

#### CURBING:

The cutting of corners by street traffic can only be prevented by the construction of corner curbs. This last year, 15 corner curbs have been set to eliminate this trouble.

On the application of property owners, requesting straight curbing to be set in front of their property, some 1303 feet have been installed. These property owners have paid one half the cost of the installation of the curbing.

The labor cost in setting curbing this year came to \$.31 per foot.

#### GENERAL:

In accordance with Chapter 86, Section 1 of the General Laws, bound stones have been set at P.C.'s, P.T.'s, and I.T.'s, on various streets where these points have been put in.

Many large stones which protruded above grade and were dangerous for traffic, have been removed from the streets. There is still more of this class of work to be done next year.

The Department has repaired, and also constructed new guard rails in and about Town. Pipe fence rails have also been renewed. An example of this latter work is illustrated in Grove St., 610 feet going in on the right from Lowell St.

Retaining walls in Grove, Lowell and Mineral Streets, which support the sidewalks, have been rebuilt, repaired and pointed up.

A number of street signs and guide posts have been renewed. We have on hand approximately 100 new posts. As soon as the weather per-



mits the new metal signs, which the Board has ordered, will be erected, which are a vast improvement over the old wooden signs. By standardizing on the present posts, and the new metal signs, we can now go ahead and properly post the streets in town.

The Department has resurfaced many of our out-lying streets; for instance, Grove St., from the Country Club to the Town line was widened out by a steam shovel and totally regraded. Forest St., has been regraded in from Main St., 1450 feet and from Grove St., in 1511 feet, Wakefield St., 2078 feet, Cross St., at this writing, some 600 feet, etc.

During the winter months the men were occupied in cutting brush in out-lying streets and in overhauling equipment; and in the early Spring, before it was time to begin on our maintenance work, all gutters were cleaned.

Washouts have been repaired throughout the year.

Other work of minor importance has been attended to, such as hauling coal and pipe for the Water Dept., assisting the Cemetery Dept., on their driveways, policing Memorial Park and the Ball Park, straightening up curbing, widening out at the junction of West St., and Woodward Ave., etc.

#### RECOMMENDATIONS:

The Department should have a storage yard.

I would like also to recommend that plans and estimates be prepared for new quarters for the Highway Shop in preparation for going before the Town to ask for an appropriation covering this item. At the present time we have not enough space to properly house our equipment.

We have in Town many bad street intersections which should be straightened out. Some of them are: Bancroft Ave., and Lowell St.; Parker and Haven Sts.; junction of Willow West and Summer Ave.; West and Prescott Sts.; Sanborn and Haven Sts.; etc. I recommend that whenever possible the Board begin to take the necessary steps to round all corners and to widen street intersections.

Lastly, that the present program of work pursued during the past few years be continued.

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### SEWER DEPARTMENT

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To the Board of Public Works:

Gentlemen:—The following is the yearly report of the Sewer Department:

Construction and Maintenance:

Balance Brought Forward .....	\$12,848.16
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Receipts for 1928 .....		11,065.75
Total .....		<u>\$23,913.91</u>
Construction Account:		
Expended:		
Pay Roll .....	\$	347.81
Bills .....		220.08
Total .....	\$	<u>567.89</u>
Maintenance Account:		
Expended:		
1. Pay Roll .....	\$	2,602.14
2. Tools, Supplies, and Repairs .....		905.59
3. Payment of Bonds .....		8,000.00
Total .....	\$	<u>11,507.73</u>
Maintenance and Construction Pay Roll and Bills.		<u>\$12,075.62</u>
Balance .....		\$11,838.29
House Connection Account:		
Balance Brought Forward .....	\$	1,564.67
Cash Receipts .....		1,822.66
Total .....	\$	<u>3,387.33</u>
Expended:		
1. Pay Roll .....	\$	875.59
2. Refunds .....		211.42
3. Pipe, Fittings, etc. ....		618.11
4. Miscellaneous, Office Supplies .....		44.50
5. Transfer to Maint. Acct. ....	\$	1,437.71
Total .....	\$	<u>3,187.33</u>
Balance .....	\$	<u>200.00</u>

### SEWER DEPARTMENT

#### Sewer Maintenance and Construction:

The principal work performed by the Sewer Dept. this year has been the construction of four hundred feet of main sewer in Pleasant St., and twenty-six house connections, with a total length of 1,401.40 feet.

The above described work on the sewer was constructed along the lines as laid out by Mr. F. A. Barbour, more definitely shown on Sewer Plan No. 52, on file in the office.

Two repair jobs on house connections were made during the year: these connections had previously been put in by outside contractors.

It was found necessary to lower all connections on the east side of Linden St., between Haven and Woburn, due to the construction of the 30-inch storm drain. The main sewer in Woburn St., entering the man-hole on the north-east side at the junction of Linden, was lowered also. Previously there existed a drop inlet at this point and the main line was lowered to the invert elevation of the drop inlet, to permit the construction of this same drain.

A general inspection at all junction points of the main sewer and main lines has been made during the year. There seems to be an increase in leakage in that portion of the system which is under ground water elevation, namely: Eaton St. The frost action on one of the main man-holes has lifted the brick work off of the water table and a small amount of water is entering the system at that point. I estimate the leakage around 50,000 gallons per day per mile for the 9.98 miles of sewers already constructed of which approximately 4.00 miles are well below the permanent ground water level.

A systematic process of cleaning and flushing has been carried out in the following streets: Sanborn St., Harnden St., Summer Ave., Copeland Ave., Woburn St., Wilson St., and Pleasant St. I have noticed a slight increase of sewerage disposal deposited along some of the lines where only a few houses are connected. The main sewers were and are designed to flow two-thirds full, when carrying a maximum capacity and all laterals and sub-mains one-half full. The number of houses that are connected do not discharge enough material to keep the mains thoroughly flushed.

At this point, I would recommend that any further extensions of mains be made only in streets where a substantial percentage of the property owners apply for connections.

Also that a complete sewer cleaning outfit be purchased for the Dept. to attend to necessary work which should be done next year.

We have now in Town four streets which are 100% connected where the sewer runs through the streets, namely: Copeland Ave., Fremont St., Perkins Ave., and Wenda St. It might be of interest to know the streets from which the Town loses over \$200.00 yearly from lack of rentals, that is from dwellings that can be, but are not, connected up with the sewer. They are Prescott St., Temple St., and Woburn St. From Woburn St., this last year, the Town lost \$513.90 which is the biggest of the above named streets. To give a clearer idea of how the various streets are connected, I might say that:

14% are 100% connected  
4% are 80% connected  
16% are 70% connected

18% are 60% connected

18% are 50% connected

and the other 30% are under 50% connected. At the present time, we have 721 houses that can be connected, of which 401 are connected, which makes 56% now connected with our system. We also have 157 houses where there are no connections started at all, 115 which have been run to either the gutter or sideline of the street, and 48 houses where connections have been run to the houses but have not been connected up. The Town this year has received a revenue of \$8,477.10 from sewer rentals and I estimate the amount lost to the Town from those houses not connected at \$3,555.90.

STREETS	Possible Connected	Completed Connections	Per Cent Connected	No const. started	Conn. to St. line	Partially installed to house	Estimated Revenue of Houses not Connected	Revenue Received 1928	Estimated Revenue 100% Connected
Arlington.....	11	2	18	6	2	1	\$ 76.20	\$ 23.40	\$ 99.60
Ash.....	17	7	41	10			109.50	265.80	375.30
Bancroft Ave.....	18	3	16	14	1		156.90	37.20	194.10
Berkeley.....	27	15	56	12			150.00	201.60	351.60
Brook.....	1		0	1			10.80		10.80
Center Ave.....	10	7	70		3		27.90	117.60	145.50
Copeland Ave.....	7	7	100					239.10	239.10
Eaton.....	2	1	50	1			6.00	6.00	12.00
Freemont.....	4	4	100					63.30	63.30
Fulton.....	1	1	100					17.10	17.10
Green.....	54	35	65	11	4	4	160.50	495.00	655.50
Gould.....	3	3	100					68.10	68.10
Harnden.....	8	6	75		2		15.30	156.60	171.90
Haven.....	39	26	63	7	4	2	122.40	678.00	800.40
High.....	10	3	30	3	2	2	62.70	123.40	191.10
Hillcrest Rd.....	10	8	80	1	1		40.80	106.50	147.30
Howard.....	18	15	83	2	1		33.30	243.90	277.20
John.....	9	6	67	3			19.50	43.20	62.70
King.....	3	2	66		1			62.70	62.70
Kingston.....	15	9	60	6			51.90	105.60	157.50
Lincoln.....	7	4	57		3		89.70	192.30	232.00
Linden.....	8	4	50	3		1	36.60	72.90	109.50
Lowell.....	5	3	60	2			14.10	56.10	70.20
Main.....	40	29	73	1	8	2	184.80	1017.60	1202.40
Maple.....	2	1	50		1		19.50	8.70	28.20
Middle.....	2	1	50	1			9.60	3.00	12.60
Middlesex Ave.....	17	13	76		2	2	61.80	582.30	644.10
Minot.....	11	7	63		2	2	46.20	81.30	127.50
Mt. Vernon.....	9	5	55	4			38.10	61.50	99.60
Park Ave.....	7	5	71			2	18.30	39.60	57.90
Parker.....	7	4	57	3			24.90	44.70	69.60
Perkins Ave.....	7	7	100					173.10	173.10
Pine Ave.....	1		0			1	6.00		6.00
Pleasant.....	14	9	64	5			53.70	127.20	180.90
Pratt.....	4	3	75	1			7.50	29.40	36.90
Prescott.....	51	32	62	1	11	7	254.10	530.40	784.50
Prospect.....	15	7	47	8			114.00	142.80	256.80
Salem.....	18	7	39	2	8	1	124.80	227.40	352.20
Sanborn.....	14	7	50	5		2	86.40	411.30	497.70
Scotland Rd.....	1	1	100					7.20	7.20
Summer Ave.....	18	8	44	9		1	145.20	116.70	261.90
Sweetser Ave.....	5	1	20		3	1	35.70	17.70	53.40
Temple.....	32	6	19		20	6	240.30	428.40	668.70
Union.....	5	2	40	1		2	59.10	12.00	71.10
Village.....	22	9	42	11		2	127.20	145.50	272.70
Warren Ave.....	17	12	70		3	2	45.60	127.20	172.80
Washington.....	27	10	37	12	4	1	133.00	129.90	267.90
Wenda.....	4	4	100					17.10	17.10
Wilson.....	7	5	71	2			17.10	37.50	54.60
Woburn.....	77	35	45	9	29	4	513.90	577.20	1091.10
Totals.....	721	401	56%	157	115	48	\$3555.90	\$8477.10	\$12,033.00



## LENGTH OF SEWER CONNECTIONS RUN TO EITHER CURB, HOUSES, OR CONNECTED

Streets	Curb	Houses	Connected	Total Length
Arlington.....	66.50	46.00	138.00	250.50
Ash.....			293.10	293.10
Bancroft Ave.....	16.00		144.40	160.40
Berkeley.....			877.90	877.90
Brook.....				
Center Ave.....	52.00		317.00	369.00
Copeland Ave.....			450.00	450.00
Eaton.....			60.00	60.00
Freemont.....			209.00	209.00
Fulton.....			44.00	44.00
Gould.....			236.50	236.50
Green.....	72.00	121.00	1523.20	1716.20
Haven.....	195.00	79.00	1089.80	1363.80
Harnden.....	32.00		195.00	227.00
High.....	31.00	51.00	114.60	196.60
Hillcrest Rd.....	25.00		516.00	541.00
Howard.....	26.00		886.50	912.50
John.....		51.00	225.20	276.20
King.....	20.20		107.00	127.20
Kingston.....			365.00	365.00
Lincoln.....	70.00		186.00	256.00
Linden.....		41.00	219.00	260.00
Lowell.....			232.50	232.50
Main.....	271.00	99.00	1591.35	1961.35
Maple.....	18.00		40.00	58.00
Middle.....			36.50	36.50
Middlesex Ave.....	48.00	138.00	908.20	1094.20
Minot.....	42.00	77.00	295.50	414.50
Mt. Vernon.....			286.50	286.50
Park Ave.....		113.00	132.00	245.00
Parker.....			179.00	179.00
Perkins Ave.....			434.80	434.80
Pine Ave.....		46.00		46.00
Pleasant.....			483.50	483.50
Pratt.....			242.00	242.00
Prescott.....	254.00	341.00	2046.20	2641.20
Prospect.....			594.50	594.50
Salem.....	123.00	45.00	557.00	725.00
Sanborn.....		98.00	535.90	633.90
Scotland Rd.....			60.00	60.00
Summer Ave.....		94.00	576.20	670.20
Sweetser Ave.....	64.00	45.00	43.00	152.00
Temple.....	300.00	173.00	505.00	978.00
Union.....		147.90	62.00	209.90
Village.....		34.00	433.80	467.80
Warren.....	54.00	68.00	526.00	648.00
Washington.....	61.00	48.00	587.40	696.40
Wenda.....			202.50	202.50
Wilson.....			216.80	216.80
Woburn.....	494.00	222.50	2196.90	2913.40
Totals.....	2334.70	2178.40	22,202.25	26,715.35



Streets	Length of Main Sewers in Streets								Total Length	Length of Underdrains				Total Length	Total Length Sewers and Under-drains
	6 Inch	8 Inch	10 Inch	12 Inch	15 Inch	18 Inch	20 Inch	24 Inch		5 Inch	6 Inch	8 Inch	10 Inch		
Salem.....		1004.90		132.50					1137.40	543.00		132.50		675.50	1812.90
Sanborn.....		716.30							716.30	200.00				200.00	916.30
Summer.....		1229.40							1229.40						1229.40
Sweetser.....		334.30	Cast Iron						334.30	175.00				174.00	509.30
			432.89								40.00			40.00	2031.04
Temple.....	896.76			661.39					1991.04						303.60
Union.....		303.60							303.60						2328.40
Village.....		1015.60							1503.40		825.00			825.00	2328.40
Washington.....		424.90		246.80	312.90	487.80	1574.30		2558.90		724.00	246.80	1163.20	2134.00	4692.90
Warren.....		715.00							715.00	715.00				715.00	1430.00
Wilson.....			471.40	333.10					804.50			804.50		804.50	1609.00
Woburn.....	732.80	2915.70		917.40					4565.90	1196.00		917.40		2113.40	6679.30
Total Lengths.....	2444.76	32885.95	2288.09	6164.79	2870.60	487.80	1809.20	3758.10	52,709.29	9781.15	16,188.00	6224.50	1656.90	33,850.55	86,559.84

NOTE

Total length of House Connections constructed to date..... 28,715.35  
Total length of Sewers and Underdrains constructed to date..... 86,559.84

Grand Total..... 113,275.19 ft.  
or 21.45 miles of pipe

## PARK DEPARTMENT

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Gentlemen:—The following is the yearly report of the Park Department:

General Appropriation ..... \$ 2,000.00

Expended:

Memorial Park:

Pay Roll, Care of Park .....	\$ 705.91
Pay Roll, Supervised Play .....	657.40
Bills .....	388.36

Total .....	\$ 1,751.67
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Common and Main St. Parks:

Pay Roll and Bills .....	\$ 100.10
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Total .....	\$ 100.10
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Leach Park:

Pay Roll and Bills .....	\$ 10.00
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Total .....	\$ 10.00
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Washington St. Park:

Pay Roll and Bills .....	\$ 138.23
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Total .....	\$ 138.23
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Summary Expenditures:

Total Pay Rolls .....	\$ 1,529.39
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Total Bills .....	470.61
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Total .....	\$ 2,000.00
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Balance .....	\$ 00.00
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### Memorial Park

During the winter months skating was enjoyed on that portion of the Park, which is flooded by closing the gate in the dam.

Before the season opened for the instruction of supervised play, what minor repairs were necessary were made to the barn building. As much of the entire Park as possible was burned over, and a general policing of that section west of the brook was made. Throughout the warm weather, a man was detailed to look after and keep up the entrance paths, lawns and build-

ings, and to do such minor repairs as were warranted during his time of employment.

The gate in the dam was closed early in the fall, to flood again that portion used for skating.

The summer activities were again under the supervision and direction of the Reading Woman's Club. The personal care given to this work, by their committee, made it another successful season, and the Board of Public Works, wishes to express its appreciation of their efforts.

#### **Recommendations for Memorial Park**

During the winter months, when the park is used for skating, I recommend that the pond be well lighted during the early hours of the evening to prevent accidents.

The paths and driveways should be stone-dusted and rolled and considerable work should be done on the path leading in from Harrison St.

By plowing and harrowing the meadow section of the Park, an increase in area for skating can be obtained.

The main ditch, running through the center of the Park, I recommend to be channel piped.

A complete plan, showing the ultimate development of Memorial Park, should be made. By having such, a small portion of the development, could be constructed each year and the Town would then be working along a definite program of improvement.

#### **Common and Main St. Parks**

The Common and Main St. Parks were kept constantly mown and picked up during the year and the general care of the trees was taken care of by Mr. Donegan. The flag pole on the Common was painted.

#### **Recommendations**

An improvement to the Common should be made in accordance with a general development plan of the entire square. Although a considerable amount could be spent to advantage in beautifying the Common, making it more attractive in appearance, the heavy demands for more important work in the Dept., under the jurisdiction of the Board and other Town Depts., makes one realize the necessity of asking for the mere necessities in order to obtain a livable tax rate. With this idea in view, I recommend policing only, for the coming year, unless it is the wish of the Town's People to appropriate a sum necessary to develop the Common in General.

#### **Ball Park**

As much care was given to the Ball Park as there were funds to work with. Money was not available to properly take care of the grounds, but fair results were obtained from the time which the Dept. spent there.

#### **Recommendations**

The grand-stand needs repairing, and the athletic field leveling. Before too much money is spent in extending the present grand-stand, would recommend the investigation of installing more permanent stands than those which now exist.



### Leach Park

The only attention that Leach Park received during the year, was that of keeping the grass cut.

### Recommendations

That walks and curbing be established around its entire length.

### General

A City or Town that has a systematic Park System is indeed fortunate. If the Town is to improve, and extend its parks, now is the time in which it should be done, for real estate in Reading is not on the decline and plots of land for playground use will be harder to obtain in the future.

The following is a report of the Reading Woman's Club of the Playground Activities at Memorial Park.

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## REPORT OF THE READING PLAYGROUND COMMITTEE

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To the Board of Public Works:

Gentlemen:

The tenth season of the Reading Playground opened June 25, 1928, with informal exercises. The donors of Memorial Park were our guests.

Mrs. Richard Cobb, president of the Reading Woman's Club brought greetings.

Miss Ruth E. Farmer, a graduate of Posse Nissen School of Physical Education was appointed Supervisor. Miss Farmer was not a stranger to the children, having served as assistant to Mrs. Tyacke the year before. She presented her program for the season. Each day had its special classes, its work and its play. Her youth and enthusiasm thrilled the children and they promised to co-operate in making it a banner year.

Miss Eva Webb, instructor in Art, Paper and Reed Work, exhibited specimens of the work that she hoped to accomplish during the season.

The chairman of the committee gave a very cordial invitation to the Reading children to use the grounds and to enroll in any or all of the classes. She urged them to be careful in crossing the streets and to guard the younger children from danger. Games and free ice-cream concluded the program for the day. About four hundred (400) children were present.

Junior and senior classes in Coping-saw work proved exceedingly popular under the direction of Miss Mildred Dulong. The finished articles in many instances were equal to any found in our toy shops.

Archery was introduced and found many ardent followers. Tennis, squash, basket ball and flash ball were played daily. Base-ball for juniors and seniors was played on the Town Ball Field twice a week under the direction of Oren Crowe of the playground staff. Games were played with teams from other playgrounds. Reading boys made a good showing.

The committee is glad to report that the entire staff of workers at the Playground this year were Reading young people. Under their management it was a most successful season. The property owners in the vicinity highly commended Miss Farmer and her corps for their wise discipline and kindly of the children. (Average 150 daily).

The committee is deeply grateful to the Board of Public Works for its advice and ever ready assistance, the Police for its co-operation and helpfulness and to all who have in any way helped in making this our biggest and best year.

Most respectfully,

JULIA P. IDE  
GRACE L. TWOMBLY  
MARIE L. DAY  
ELLEN A. RICHARDS  
EMMA I. GASCOIGNE  
LAURA L. GORDON, Chairman.

To the Board of Public Works:

Gentlemen:—The Playground Committee would recommend that the sum of one thousand dollars (\$1,000) be appropriated by the Town of Reading for the work assigned to it.

It would suggest that the sum be not definitely divided for salaries and expenses. It would recommend the construction of a small wading pool.

LAURA L. GORDON, Chairman.

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## REPORT OF EXECUTIVE OFFICE OF BOARD OF PUBLIC WORKS

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To the Board of Public Works:

Gentlemen:

The following is the yearly report of the executive office:

Appropriation .....	\$ 5,200.00
Expended:	
Salaries and Misc. Supplies .....	\$ 5,200.00
Total .....	\$ 5,200.00
Balance .....	\$ 00.00

The following table shows the expenditures made this past year in all Departments, the pay roll of each, and the entire expenditures of the Board of Public Works:

	Bd. Public Works	Water Dept.	Highway Dept.	Sewer Dept.	Park Dept.	Totals
Pay Roll.	\$4,600.00	\$17,377.37	\$20,420.27	\$ 3,825.54	\$ 1,489.70	\$ 47,712.88
Bills.....	600.00	36,421.12	51,495.82	9,999.70	510.30	99,026.94
Totals..	\$5,200.00	\$53,798.49	\$71,916.09	\$13,825.24	\$ 2,000.00	\$146,739.32

I desire to enclose in this report a paragraph taken from the report of the audit of the Town's financial accounts, made by the Division of Accounts of the Commonwealth, which reads as follows:

"The financial records of the Public Works Dept., were examined and checked in detail. The charges for water rates and services and for sewer rentals were examined, the recorded receipts were checked and compared with the Treasurer's and the Accountant's books, and the outstanding accounts were listed and reconciled with the records in the Accountant's office. The cash on hand in the Water division was verified by an actual count. The payments and deposits on account of sewer connections and the accounts receivable of the Highway division, were examined and reconciled with the Accountant's books."

In closing this report, the Superintendent wishes to express his appreciation of the co-operation and interest of all of those in any way associated with him in carrying on the work of the Dept., and to acknowledge the helpful suggestions and assistance which he has received from other department heads in the Town.

H. B. COLLINS,  
Superintendent.

ANNUAL REPORT  
OF THE  
SCHOOL COMMITTEE  
OF THE  
TOWN OF READING, MASSACHUSETTS

For the year Ended December 31

1928

## SCHOOL COMMITTEE

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Carl M. Spencer, Ch., 25 Pratt St.	Term Expires 1930
Mrs. Marion B. Temple, 50 Hillcrest Rd.	Term Expires 1930
Dr. Harold A. Carnes, 39 Grand St.	Term Expires 1929
Malcolm C. Davis, 12 Federal St.	Term Expires 1929
Mrs. Josephine L. Fowler, 65 Temple St.	Term Expires 1931
Arthur W. Coolidge, 45 Middlesex Ave.	Term Expires 1931

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### School Committee Office, High School

Clerk, Margaret Hunt	Residence—30 Hillcrest Rd.
Office Hours, 8.30 a. m. to 4 p. m., except on Saturdays, 9 to 12 a. m.	

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### Superintendent of Schools

Adelbert L. Safford, Office—High School, Residence—26 Middlesex Ave.
Office Hours, 9 to 9.30 a. m. on school days

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### Supervisor of Standards and Guidance and Attendance Officer

Ida C. Lucas, 435 Franklin St.	Office—High School
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### School Physician

Charles R. Henderson, M. D.	126 Woburn St.
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### School Nurse

Mabel M. Brown, R. N.	Office—High School
Residence—84 Fellsway East, Malden	

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### Janitors

	Salaries
High School: Leonard Clarkson, 38 Ash St.	\$1,560.00
Matron, Mrs. Ara Pratt, 29 Orange St.	1,040.00
Matron, Miss Edith P. Gleason, 5 Salem St.	780.00
Junior High School, Henry W. Bryden, 14 Village St.	1,820.00
Walter Smith, 30 Temple St.	1,560.00
Fred L. Reissle, 12 Minot St.	1,560.00
Matron, Mrs. Agnes Hurley, 109 Haven St.	1,040.00
Highland School, James L. Healey, 65 Woburn St.	1,560.00
Matron, Mrs. Emma Tibbetts, 13 School St.	780.00
Center School, Edward W. McBrien, 18 Salem St.	1,560.00
Union St. School, Edward W. McBrien	
Lowell St. School, Sylvanus L. Thompson, 8 Intervale Ter.	1,040.00
Prospect St. School, J. Fred Richardson, 17 Prospect St.	1,040.00
Chestnut Hill School, Herbert F. Damon, Stoneham, Mass.	520.00
Night Engineer, Central Dist., Fred W. Strahorn, 12 Dudley St.	500.00



## REPORT OF SCHOOL COMMITTEE. 1928

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To the Citizens of Reading:

The School Committee submits its report for 1928. Your attention is particularly directed to the reports of the several departments of school activity which accompany it.

There is left in the town treasury unexpended approximately \$6000 of the 1928 appropriation. Most of this surplus was in the salary and electricity accounts. Numerous resignations and changes in the teaching force, whereby those drawing maximum salaries were replaced at lower figures, use of normal school student observers instead of regular substitutes, and discontinuance of the evening school brought about savings in salaries of about \$3200; a reduction in the price of electricity from the rate used in making up the budget saved about \$2000.

The extensive reorganization incidental to opening the new Junior High School has relieved the over-crowding in the High School and in the elementary buildings, enabling these schools to resume a normal condition. Having only children of the first four grades, the primary schools find easier the problems of discipline and the use of the playgrounds. It enables the teachers to make better grouping of pupils and to give more consideration to individual needs.

The grouping of intermediate grades, 5 and 6, in the Highland School has worked out very satisfactorily, bringing about uniformity of preparation for Junior High School as well as affording other educational advantages not possible when the pupils were scattered in several schools.

Every regular schoolroom in the public school buildings is in use. While some more pupils may be taken care of with existing facilities, it is evident that if Reading continues to grow at the present rate, more school-rooms will be necessary before long.

In most accounts, the budget for 1929 calls for only the normal increases in appropriation occasioned by growth of the schools. The item for repairs, however, is larger than for previous years, due partly to a reduction of the 1928 appropriation made at the suggestion of the Finance Committee. We are particularly desirous during the coming year of making improvements in the High School lunch-room facilities which in our judgment are urgent.

The health work in the schools becomes more and more important. Indeed, in many respects, it has come to be a type of community work operated through the schools for convenience. Many cases could be cited of marked benefits derived by individual children from the inspections, clinics, and follow-up work of the school physician, school nurse and other interested persons and groups. One of the finest things we can do is to

bring the benefits of modern medical skill and science to bear upon the ailments and physical defects of children who, because of them, are prevented from gaining the educational advantages which the commonwealth and town are prepared to give them as their right.

The terms of Malcolm C. Davis and Harold A. Carnes expire and these positions are to be filled at the coming election.

Signed:

CARL M. SPENCER, Chairman  
HAROLD A. CARNES  
ARTHUR W. COOLIDGE  
MALCOLM C. DAVIS  
JOSEPHINE L. FOWLER  
MARION B. TEMPLE

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## REPORT OF SUPERINTENDENT OF SCHOOLS, 1928

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To the Honorable, the School Committee, of Reading, Mass.:  
Gentlemen:

In accordance with custom and the requirements of my office, I submit herewith the thirty-sixth annual report of the Superintendent of the Reading Public Schools, the sixteenth that I have made in that capacity.

### Brief Resume of the Year

During this year, in conformity with the announced policy of the School Committee, no new enterprises in extension or elaboration of the scope of the work of the schools have been undertaken but efforts of the personnel have been concentrated on carrying on efficiently the activities previously established and in some particulars consolidating and perfecting the technique of gains made in the recent past.

The three-year Senior High School, three-year Junior High School, and two-year Intermediate School (grades 5 and 6) have made their adjustments to meet the requirements of their re-organization effected in 1927 and have entered upon their second year of work with well-defined objectives and a growing assurance in their technique. The special attention given to posture in the past two years culminated in the establishment of a Posture Clinic as a part of the School Health Program but financed by agencies outside of the School Committee. Miss Julia E. Lancaster, a teacher of Physical Training, experienced in Corrective Gymnastics, was appointed Director of Corrective and Remedial Gymnastics to co-operate with the Posture Clinic. She also teaches physical training to Senior High School girls.

### School Housekeeping

Efforts at improving school housekeeping have been continued but standardized procedures and results have yet to be attained, although gains have been made. Further study and experimentation in this line are still under way. During the past year for the first time a landscape gardener under contract has cared for the school grounds. The newly seeded areas and recent extensive plantation of shrubs at the Junior High School required expert attention and the grounds of the other schools have been benefited by the services of a landscape gardener.

### Adult Education

A backward step was the omission of an evening school for adults this year. Reading has never done much in this line compared with what might be accomplished. This was summarized in my annual report for 1926, to which I would again call your attention. When a program of Adult Education is again established, it should be made more extensive and much more worthwhile than anything attempted here in the past. Adult pupils are attending Industrial and Home Economics classes in Wakefield and Stoneham and young men and young women are attending Industrial and Trade Schools in Boston and elsewhere, as in other years. Their tuition is paid by the town and one-half of it is repaid to the town by the state.

### Changes in Classroom Procedure

Nearly all of my report for 1927 was devoted to an account of the re-organization of the whole system of Reading schools made possible by the opening of the new building of the Junior High School. Consequently the progressive account of our changing technique of teaching related in my reports for 1924, 1925 and 1926 was interrupted in 1927. The summary given in 1926 describes the Winnetka and Dalton plans of instruction and refers to other progressive schools as sources of our new procedures. Since that time our methods have been materially developed and standardized. The most important source upon which we have drawn has been the plan of lesson assignments for different levels of attainment or degrees of difficulty as outlined by Harry Lloyd Miller in the "Self-Directed School." The Miller plan, Assignment "C," contains the minimum essentials of tool-knowledge corresponding roughly to the Winnetka "goal" or individual assignment; Assignment "B" contains outlines for a more extended and thorough treatment of the topic under consideration and is correspondingly more difficult and requires more ability on the part of the pupil; Assignment "A" suggests problems of research or creative effort on the part of the pupil. At Winnetka the creative activities are not closely related to the attainment of the goals of tool-knowledge but half of each school day is set apart for "creative activities," largely of the pupil's own choosing, and not necessarily related to the particular goals of tool-knowledge with which he is concerned at the time. At Winnetka each pupil proceeds at his own rate regardless of any other pupil. There are no time allotments for the completion of the individual assignments; consequently, under the Win-

netka plan the class is constantly scattering in respect to the goal each one has reached at any particular time.

Under the Miller Plan a time-limit is set tentatively for the study of the matter from which the "C," "B," and "A" assignments are made up. Everyone is expected to complete the "C" assignment and pass the diagnostic test before the class receives the next assignment, although individual exceptions are provided for by the remedial club. The abler pupils complete the "C" assignment ahead of the time-limit and go on with the "B" assignment and, if time permits, to the "A" assignment. They are marked as "A," "B" or "C" pupils according to the assignment completed. In this case the creative work, differing from the Winnetka plan, is directly related to the tool-knowledge which is more or less utilized or applied in a creative way in the "A" assignment. As might be supposed, the classroom procedure under this plan is vastly different from the conventional recitation. Prof. Thayer of Ohio State University emphasizes this fact pointedly in the title of his recent book, "The Passing of the Recitation" which makes a survey of the origin and development of classroom procedures, closing with a description of the Miller plan as outlined in "The Self-Directed School." Two other books on the Miller plan contribute materially to its use. One entitled "Creative Learning and Teaching" sets forth the pupil's self-directed activity and stimulus to creative effort; the other Maguire's "Group Study Plan" describes a suitable organization of class-room activities to carry on the Miller plan.

#### Homogeneous Grouping

Along with the Miller plan of different levels of assignment but secondary to it, we are carrying on a plan of homogeneous grouping based upon five or more factors of personal traits including of course the I. Q. Homogeneous grouping helps the teacher to handle successfully a larger class, because when the spread becomes too great the teacher loses track of individual pupils in a large class and it becomes impossible for her to direct each one and make proper assignments and give adequate tests. On the other hand homogeneous grouping destroys the opportunity for the kind of social integration attributed to the DeCroly class where the older help the younger and the principle is applied, "from each according to his ability, to each according to his need" in the co-operative project. Another aspect of adaptation to individuals is receiving our attention. Trinidad, Colorado, according to the account given in the book "After Testing What?" has undertaken to classify the pupils in the schools definitely by their I. Q.'s. on five levels and to put into operation a separate curriculum for each level. The five levels may be roughly designated as moron, dull-normal, normal, bright-normal and genius. One difficulty with this plan is that there are numerous other factors besides the I. Q. that condition success. Another is that the present state of the art of testing is not sufficiently reliable for so critical and important a classification, if it bars the pupil from the possibility of gaining a higher level. Another objection is the feeling of inferiority likely to be felt by the individuals in the lowest



group. This is of course more or less inevitable, but, if the door of opportunity and hope is left open, the feeling of inferiority is not so acute. The Miller plan may be adapted to the three middle levels very successfully, (the dull, normal, and bright,) giving all three groups the same assignment, graded so that the dull may be expected to complete the "C" assignment, the normal most of the "B" assignment, and perhaps some of the "A" assignment, while the bright can do all of the "C" and "B" assignments and go as far in the "A" assignment as the time permits. In other words, the "A" assignment is open to everyone if he can "make the grade." The lowest and the highest level of the Trinidad classification should probably be grouped separately and have appropriate treatment both in assignments and in technique of teaching. Pupils of the lowest level need to be given something they can do well enough to receive commendation and thus gain self-respect, the most important thing for them to attain as well as the most difficult to keep. Whatever special ability they may have should be capitalized and made the most of. As for the rest, only palliative measures are worth the effort and these should be selected by the pragmatic test, "does it work out advantageously in the life situations in which the pupil finds himself or is likely to attain?"

### Social-Age Factor in Grouping

For the sake of genuine social integration which is the most important general objective of education it is essential that pupils of the same social age should be together and engage in various co-operative activities regardless of the differences in their I.Q's. This idea is basic in the Trinidad plan and the Miller plan. But in the Miller plan the "C" "B" and "A" assignments are too much and too abstract for the lowest of the five levels of the Trinidad plan and not sufficiently enriched and creative for the highest level. Special opportunity groups are therefore needed for the lowest and the highest levels. These groups for the lowest level are carried on in the Reading schools from the first grade through the Senior High School. The needs of the supernormal child have not been sufficiently provided for in general in our schools. This is the second year of experimental work in this matter in the Intermediate school (grades 5 and 6.) Homogeneous grouping in the Junior High School contributes materially to this end and the freedom of electives in the Senior High School affords a flexibility of program that goes a long way in this direction. However, some new technique should be devised to free the supernormal pupil from the limitations imposed by the scope of work and rate of progress possible for the average normal mind.

### The Super-normal Pupil

The superior initiative and creative ability of the supernormal pupil must somehow be freed from limitations, stimulated, and given an ample and relatively unrestricted field of action in which his powers of creative endeavor may be in full expansion and feel the natural joy of achievement. Bergson somewhere has said: "Philosophers who have speculated on the sig-



nificance of life and the destiny of man have not sufficiently remarked that Nature has taken pains to give us notice every time this destiny is accomplished; she has set up a sign which apprises us every time our activity is in full expansion; this sign is Joy."

The mechanisms of mass education have heretofore been singularly deficient in challenging the supernormal child to "activity in full expansion." The champion can not be stimulated to maximum effort by matching him with the tyro; he must have "a foeman worthy of his steel," an adventure that will extend his powers to the utmost. Somehow we must organize a technique to accomplish this for the supernormal child, in connection with his school activities; otherwise, the tendency to laziness and other interests is almost inevitable. Sometimes these other interests and extraneous opportunities of leadership are his only salvation.

### **Educating for Responsibility**

Miss Lucy Wilson, Principal of a High School for Girls in Philadelphia, has published a book entitled "Educating for Responsibility." It is essentially an account of the application of the "Dalton Plan" of class procedure in which assignments are made covering the pupils' studies in the subject for a longer period than the customary daily assignment for example, for two weeks or for a month. The pupil is then free to pursue his work on his own initiative, being checked up or required to report progress to the home-room teacher daily and to the subject teacher at conferences called by her as she deems necessary. The pupil thus assumes responsibility for getting his work done on his own initiative. These procedures bring out the fact that there are two kinds of knowledge: the tool-knowledge that each person must acquire individually and the socialized knowledge that can be acquired best only by the participation of members of a group. If the group is highly organized for the attainment of a specific object (as a football team for example) a high degree of integration and specialization of function becomes necessary for different individuals but the specialization is done to promote the success of the whole team rather than for the advantage of the individual. The good of the whole takes precedence over the interests of any individual.

This is a kind of education for responsibility to which the extra-curricular activities perhaps appear to contribute more readily than the activities within the curriculum. However, more and more means are being organized to contribute to this end. I would especially call attention to various devices now in operation in the Junior High School as set forth by the report of the Principal whereby pupil-participation in the activities of the school is educating them for responsibility. In the Junior High School to a greater degree than elsewhere in our system, an organization of the administrative staff has been effected to deal with the problems of homogeneous grouping, individual lesson assignments, pupil-participation in administrative responsibilities, social integration in group activities, and scientific educational guidance through knowledge of scholastic achievement, person-

ality traits and behavior. All the pupils of the school are assigned among three Guidance Teachers; one teacher for each grade, seven, eight and nine. The guidance teacher keeps informed of each pupil's activities and through personal conferences guides the pupil in choice of studies, habits of study and social behavior. The methods in general are based on the Allen plan in operation in Providence.

### Health Program

The health promoting agencies of the schools in co-operation with the Reading Good Health Committee, the State Dept. of Health and other agencies have been in active operation during the year. The several clinics have been successful and the Posture Clinic for which we have been working so long was organized in September and has been in maximum operation since. The activities in this department have become so numerous that our School Nurse does not have time to act as the executive officer for all of them and in addition find time for teaching home nursing and the "little mother" class for care of infants. I would recommend the employment of another nurse to work under the direction of Miss Brown.

The work of Miss Lancaster as Director of Corrective Gymnastics and remedial physical exercises has been of great importance in connection with the functioning of the Posture Clinic and it has also supplied a long-felt want in giving definite organization and supervision to gymnastics in grades one to four which previously had been left to the initiative of the different class-room teachers.

Special attention is called to the reports of Miss Brown and Miss Lancaster.

### Changes in Personnel of Teachers

Sixteen names of teachers that appeared in the report of 1927 do not appear in the report for 1928. There are also two new full-time positions and one part-time position filled by new teachers, making nineteen changes in the teaching staff. This is the largest number we have had in one year. Three changes were because of unsatisfactory work; four were due to the promotion of teachers to higher salaried positions elsewhere; two were due to marriage; three were due to moving to other localities for special reasons; two due to leave of absence to travel; and two took up other lines of activity from choice. Mr. Woods, Supervisor of Music, went to teach in the State Normal School at Salem; Mr. Clark Cell went to teach at Winnetka, Illinois; Miss Beil and Miss Kershaw are traveling and studying in Europe; Mr. and Mrs. R. P. Taylor are in Portland, Oregon; Miss Nelson is teaching in a New York State Normal School; and Mrs. Davis is teaching in a suburb of New York City. While in some cases we suffered severely, on the whole we seem to have been most fortunate in filling the vacancies and taken together our present corps seems to equal the one last year at this time.

### **Agricultural Department**

I wish to call particular attention to the satisfactory showing of the Agricultural Department in 1928 as set forth in the report of the instructor.

A town of the size of Reading is necessarily limited in the variety of vocations to which it can open the way for its pupils to enter directly or indirectly. The Agricultural Department of Reading High School has functioned very satisfactorily in the opinion of the state authorities under whose approval the town receives reimbursement from the state for two-thirds of the salaries of the instructors. In addition to that, the town has for its own purposes one-half the tuition of the non-resident pupils. It would seem therefore highly advantageous for the boys of Reading to have the opportunities afforded by this school at only a slight cost to the town. Two boys, graduates of this school within a few years, paid last year an income tax on an income of \$30,000 from the business they are carrying on in Reading. What other vocational education at moderate cost could the town substitute for it to the advantage of the pupils or to the best interests of the town itself?

### **Training for Business**

The Commercial Department of the Senior High School continues to be highly successful as shown by the positions occupied by its graduates. The Reading Banks and many of the business offices in town have a strong contingent of graduates of Reading High School in their clerical staffs. There are large numbers employed in Boston and elsewhere and frequent calls for additional stenographers are received from firms already employing one or more of our graduates. It is seldom that any of our commercial graduates of good ability and good habits is unemployed.

### **Employment Bureau**

A Placement Bureau to aid in securing positions for pupils who wish to work outside of school hours and for graduates of the school was recently organized. Principals of the Senior and Junior High Schools, heads of the Commercial and Agricultural Departments, and the guidance teachers are included in the governing board of the bureau.

Besides serving the immediate necessities of those who must earn money in order to continue their studies, this bureau aims to aid its patrons to gain experience that will guide them and their advisors in finding the most suitable and satisfactory permanent vocations. This bureau functions, therefore, as a factor in the whole system of educational and vocational guidance and its activities are in a large degree the results of the integration of these several agencies.

### **Teacher Training**

Pupils from the State Normal School at Salem have done practice teaching in the Primary and Intermediate grades and the classes for re-

tarded pupils, in the Junior High School and to a limited extent in the Commercial Department of the Senior High School. We have also had pupil-teachers from the Leslie Normal School and several other private normal schools and schools of physical training. The advantages to pupils and teachers resulting from the presence of these enthusiastic young workers is a substantial contribution to our work and more than compensates for any inconvenience or extra work that they may occasion. They make possible individual tutoring in many instances where the teacher alone could not find time for it.

A large number of our teachers are taking afternoon, evening or Saturday courses in Boston and Cambridge and a goodly number enroll in Summer courses at different Normal schools, colleges and universities. There is a steady improvement in the level of professional training in our teaching corps.

#### **Administrative Authority**

The administrative functions of the schools are centered in the School Committee organized with a Superintendent of Schools as its secretary and executive officer and a corps of Supervising Principals, each responsible through the Superintendent to the School Committee for the administration of the particular school or schools of which he or she is principal. The Superintendent is assisted by a staff of specialists called Supervisors or Directors who are assigned to special fields of work to act, each in his or her particular field, as a deputy of the Superintendent. Each principal is the executive authority in his or her own building and any advice on directions pertaining to the work of any teacher or other employee of that building is to be given by the Superintendent or his deputy through the principal or with his knowledge and co-operation. In case a principal is not willing to accept the advice of a deputy he may appeal to the superintendent; if not satisfied with the decision of the Superintendent he may appeal to the School Committee whose authority is final. If the directions of the Deputy to a Principal are not properly heeded and carried out it is the duty of the Deputy to inform the Superintendent of the circumstances and await an adjustment of the difficulty. If a teacher, janitor or other employee is dissatisfied with a decision of the Principal after a conference has been held he or she may appeal to the Superintendent and if not satisfied with the Superintendent's decision he or she may appeal to the School Committee whose authority is final within the field of the responsibility delegated to them by law.

#### **Special Reports**

I would call your attention to the reports of my staff of special supervisors and directors and of the Principals of the High School, the Junior High School, the Intermediate School and Central Primary Schools, and the Lowell Street School.

In the field of Research and Guidance Mrs. Lucas and her assistant have developed their service to a higher plane and extended its scope during the past year.



In the field of Health Inspection and Education the work has been growing constantly and will be further developed as soon as an assistant is provided. Miss Brown's report as Director in the General Field of Health Activities is supplemented by the report of Miss Lancaster as specialist in posture work and remedial gymnastics.

In the field of Art Education, Miss Lahaise in her seventh annual report sums up some of the achievements of the year.

In the field of Penmanship, Miss Cameron in her second annual report shows very gratifying progress.

In the field of Music, a radical reorganization was occasioned by the loss of the services of Mr. Woods who became a member of the staff of the State Normal School at Salem. Mr. MacArthur was engaged to conduct the large choruses and the orchestras in the Senior and Junior High Schools and Miss Whittier was appointed Supervisor of Music in grade one to seven inclusive. Miss Whittier's report is presented herewith. The introduction of rhythm exercises in the Primary grades is progressing and several toy bands have been organized. The report of the Principal of the Senior High School contains much valuable information and shows that the school is functioning very successfully as a college-preparatory institution as well as in many other fields. The report of the Instructor in Agriculture supplements the Principal's report and as noted elsewhere indicates very satisfactory results. The report of the Principal of the Junior High School makes note of progress in various aspects of the experimental work in the individualizing of instruction in that school and other distinctive developments incidental to the reorganization last year as a three year Junior High School. The report of the Principal of the Central Primary Schools and the Intermediate School contains interesting accounts of beginnings in individualizing instruction, of new courses in science and thrift, in social studies and in health. The report of the Principal of the Lowell Street School makes note of the advantages of having only the first four grades in the school, of the posture work and of other items of interest in the progress of the school. The co-operation of the parents with the Principals and Teachers in the education of their children is of the highest importance. What the home has made the children before they enter school is what the teachers have to build on, and the influence of the home must remain an important if not a deciding factor in the development of the child's personality and character during the period of school attendance. It is therefore of the greatest importance that school and home should be integrated by mutual understanding, good-will, and a common objective in the training of the child.

I wish to thank the various persons and organizations that have co-operated with the schools during the past year. Without their good will, encouragement and assistance much that has been accomplished would have been impossible. I thank the teachers and other employees of the Reading Schools for a uniformly co-operative spirit and a cordial attitude. I thank



the School Committee for continued evidences of their confidence and for their helpful suggestions and guidance in administering the schools.

Respectfully submitted,

ADELBERT L. SAFFORD,

Superintendent.

REPORT OF THE DEPARTMENT OF RESEARCH AND GUIDANCE  
OF THE READING PUBLIC SCHOOLS FOR THE YEAR ENDING  
DECEMBER 31, 1928

Mr. Adelbert L. Safford, Superintendent of Schools, Reading, Mass.:

Dear Sir:

The Department of Research and Guidance has been able this year to accomplish more than ever before in its history. The files are at last complete so that the office has records of every pupil enrolled in the Reading Schools from the first grade to the junior class in the Senior High School. These records have been a great help in many ways, notably the following:

1. Through the information contained in these files this department has been able to render valuable assistance in the formation of the remedial groups in the Junior High School and has helped to solve many a difficult problem in the other schools.

2. This information has helped in important revisions of the curriculum to make it better serve the needs of the pupils, as outlined below:

- A. In arithmetic the individual method of work has been introduced in the fifth and sixth grades and a new departure in marking has followed. There is no longer a mark of "A," "B," "C" or "D" but each pupil goes ahead at his own rate of speed. There is simply a ladder to climb and the report shows how far the pupil has progressed and where the majority of his group stand.

- B. The reading in the fifth and sixth grades is also largely an individual matter now. Last year we made a thorough testing with Monroe and Stanford reading tests and found the reading age and grade of every child. These marks were tabulated for teacher's reference and books carefully fitted to ages and grades were placed in each fifth and sixth grade for individual reading.

In addition to this we have a large number of books loaned by the library and many of the children have library cards of their own. One hundred and twenty-one certificates have been given out to children for reading five or more books and passing in a report of the same. During

the silent reading period, each child may have a different book. He passes in a brief report of the book he has read to the teacher. During the oral reading time the pupil reads something new to an audience whom he is expected to interest. This reading may be a carefully prepared selection from some book he has just read or a bit of poetry which he personally likes. It may take the form of sight reading from an interesting book chosen by the teacher where each child takes his turn until the story is finished. Those children who do not need drill in the mechanics of reading may, during the drill period be dramatizing a story, preparing to give a lecture on something of interest to the class, gathering interesting information on some topic in history or geography to enrich those subjects.

C. The Course in Social Studies has included a regular course on Thrift based on Barnard's Teaching Outline and the bank stamps obtained from the automatic banking machine placed in our schools by the First National Bank of Reading. The bank reports to us that more savings have been deposited this year than ever before, proof enough that our thrift teaching is having results. A very thorough course of study in Thrift Education is being carried out in the Highland School, Grades V and VI, under the instruction of Miss Grace, who reports a total savings from some 300 pupils of \$669.89 from November 19, 1928 to December 17, 1928. This money was saved from the pupil's allowances and earnings and deposited in Home Banks, Savings Accounts and Co-operative Banks, as well as in Bank Stamp Savings.

The following figures represent the total amounts that each school has deposited in Bank Stamp Savings during the period from September to December 31, 1928:

School	Number of Pupils	Amt. Saved	Percent of Stamps
Chestnut Hill	37	\$ 40.19	103%
Center	201	123.17	61
Prospect	169	56.45	33
Lowell	135	39.51	29
Highland	400	119.57	29
Junior High	539	54.01	10
Deposited in Bank Machine on Saturdays and Holidays			
Total	1,481	\$515.90	35

Thirty-five per cent of our school pupils save regularly through Bank Stamp Savings.

In the sixth grades the individual method of study is being tried out with the new note books Directed Study in History by Schenk and Orton. The results so far have been most satisfactory.

D. A complete course of study in Health has been introduced in the 5th and 6th grades. This course of study is based on the Cleveland Tentative Outline. The work is planned largely for pupil participation in socialized recitation and project work. It aims to give the pupils an idea of the importance of studying Health as a necessity to the wholesome enjoyment of life not as an end in itself.

3. These files contain test results, age-grade and personality studies, the most important use of which is to aid in simplifying pupil promotions, making them more objective and fair to the child. Each grade is listed separately. The following data is considered:

1. Name  
(Alphabetical list of pupils taken from registers).
2. School or Room in which registered.
3. Date of Birth (Certified by the school census).
4. Chronological Age reckoned for April 1st.  
(Cases of under-age and over-age pupils noted for further study).
5. Mental age reckoned for April 1st.
6. Intelligence Quotients.  
(The most reliable I. Q's. taken from the Intelligence tests records; exceptional cases noted).
7. Educational Ages and Grades.
8. Reading Grades.
9. Arithmetic Grades.  
(Factors 7, 8, 9. are taken from the Stanford Achievement tests records for April. In order to estimate pupil progress each pupil's Stanford record for the previous year is also noted).
10. Teachers' Estimates (taken from report cards).  
Poorest subject.  
Best subject.  
Honors.  
Average grade in school.
11. Test Results:  
Arithmetic scores in Fundamentals and Grade Work Language Scores.  
Stanford Grade; Los Angeles Grade; Composition Work.
12. Personality Traits:  
School History.  
Work Habits.  
Any personal factors likely to influence school success.  
Remarks on Retardation or Acceleration.  
Final Promotion or Group Assigned.
4. Homogeneous Grouping. What is it? Why do we practice it?

We have found that our pupils do a better grade of work when they study in groups of like abilities. It is also much easier for the instructor to fit the material she wishes to teach to a class of one general type or ability than to a mixed group.

In the Highland and Junior High Schools such grouping is necessary because departmental work is carried out and the courses of study are being fitted to three types of pupil: Gifted, Normal and Slow. Our grouping is not on any cut and dried basis of one or two factors only, but is done after a careful consideration of all the data on the promotion lists and numerous conferences with the teacher, principal, Guidance Director and Statistician. Often the School Nurse is called in for advice on certain cases. Neither are our groups fixed and permanent. They can be changed at a day's notice. Children change their habits of application and their attitudes toward school work. Their achievement changes too. Because of this, it is often necessary to assign a pupil to a new group better fitted to his needs. It is sometimes so difficult to place a child in any group because of conflicting factors that he is left in doubt and watched until he proves his level of accomplishment and decides his own placement.

This grouping is carried out according to the best scientific procedure known. The whole purpose is to place the child where he can do his best work and be happy in his class environment. It is therefore based on the soundest principles of Mental Hygiene. We try to decide whether the child will respond better in a class where there will be much competition or whether he belongs in a group where much individual work is done. By the time a child reaches the fourth grade in our schools his Personality shows this factor in his placement. Our grouping is one step toward our ultimate goal of entirely individualized instruction.

#### 5. Age-Grade Study:

Much has been said about the Under-ageness of Reading School children. The facts show that even though they are allowed to enter the first grade at five years of age, they do not enter much before five years and six months, and we are only two months below the average age for the State of Massachusetts. The figures in the table below show how favorably Reading compares with State averages in percentage of Under-ageness, Normal Age, and Over-ageness, Acceleration and Retardation. It is important to note that Reading leads all cities and towns in the State that are over 5000 population in the amount of Acceleration and has the lowest percent of Retardation. The per cent. of Acceleration for Reading was approximately 48 while that of the entire State was 28; per cent. of Retardation for Reading was 4.5, that of the State, 10. These figures can be interpreted in actual dollar and cents savings to the taxpayers of Reading.

Perhaps the biggest new undertaking is the organization of a Placement Bureau. This is well under way but is still so far from completion that only a statement of its aims can be given in this report. The High School knows how well the pupils who leave it to enter college carry on in these higher institutions and the record of a vast majority shows that in that part of its work our schools are functioning well. But preparation for college is only one phase of the work for which Reading citizens are paying so much money into our school system. Not all boys and girls



should go to college and this is not a question of I. Q's. necessarily either. What are we doing for these? In their cases is our education functioning at a high rate? If not, what must we do? To answer these questions is one aim of this bureau.

We also want to bring our employers into contact with our boys and girls who need and want work, (we trust,) to the mutual advantage of both. It is well known that one of the greatest aids in making a man or woman a good law-abiding citizen is a steady job which he likes fairly well most of the time and that there is nothing so demoralizing as loafing around with no work to do. We hope this bureau will prove to be of great help in the future in providing the right guidance and in helping the boys and girls find congenial work for which they are well fitted.

The 4-H County clubs this year have been a Sewing Club, a Food Club, a large Garden Club and a Poultry Club. A few of the girls did some canning but the showing at the Grange Fair was not up to the standard of former years.

We now have a well-organized system of special classes reaching from the first grade to the first year of the Senior High School. This makes it possible to serve the special needs of some who do not wish to follow the regular line of work, but need training in order to live lives of usefulness in the future.

With the exception of the month of August the Habit Clinic has met once a month during the year and much help has been given to both parents and teachers.

The large amount of work accomplished by this department this year is due in great measure to the untiring efforts and competence of Miss Verna Wadleigh, my co-worker. She has not only done much of the testing but has thoroughly organized the statistics in the office so that they are now in shape to be of great help in making our schools serve the best interests of our pupils. In closing this report, I wish also to acknowledge my indebtedness to you, Mr. Safford, and to all the teachers whose co-operation and loyal support have made this work possible.

Respectfully submitted,

IDA C. LUCAS,

Director of Research and Guidance.

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## REPORT OF THE HEALTH DEPARTMENT, 1928

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Mr. Adelbert L. Safford, Superintendent of Schools, Reading, Mass.

Dear Sir:

Herewith I submit the report of the Health Department for the year ending December 31, 1928.

In reviewing the accomplishments of the past twelve months it is



gratifying to note a steady growth to report progress and additions to the school health service. Notable among the new activities are the extension of the physical examinations to the Junior and Senior High Schools; the establishment of a Posture Clinic; and the beginning of an intensive and extensive program of posture corrections in our schools. All these major accomplishments have come as a result of a definite and pressing need and have done much to round out the health service which Reading provides for its school children.

### Medical Department

In conformity with the plan for a physical examination for every school child, physical examinations were made of Junior High School pupils from January to May of last year. A total of 400 pupils were examined: 386 were re-examined by the school physician and 14 by their family physicians. A report of the examinations made by the school physician and school nurse is as follows:

Enlarged Tonsils, Adenoids, Glands, 53; Defective Teeth, 30; Heart Conditions, 14; Suspicious Chest Conditions, 0; Hernia, 0; Defective Vision, 24; Defective Hearing, 8; Posture Defects, 243; Miscellaneous, 4.

An encouraging sign was the comparatively small number of enlarged tonsils and defective teeth. Undoubtedly the work that has been done along these lines for the past several years accounts for this. As in the elementary schools the largest number of defects was in the postural group.

The detection of hearing defects by the usual school method presents a problem as it is practically impossible to get a quiet place in any of the school buildings in which to give the test. For this reason, as well as to insure a more accurate check, an audiometer machine is recommended.

Beginning in the fall physical examinations were made of the incoming classes and the two classes at the Opportunity School. In December this work was started in the High School. Up to the present time approximately half the pupils of the High School have been examined and already the findings have justified the expenditure of time that this work required.

The weighing and measuring in the schools is now being done on the following basis: by the Physical Education teachers in the Senior and Junior High Schools and in the Highland School; by the school nurse in the other schools. The children at the Highland School and elementary schools are weighed and measured three times during the year. The others are weighed and measured less frequently. In addition, the underweights, tuberculosis contacts, and camp children are weighed once a month.

A fairly regular schedule of school visiting has been maintained by the school nurse throughout the school year. On these visits inspections of children have been made, sanitary conditions investigated in the school buildings, health talks have been given, and individual conferences have been held with pupils and teachers.

The extent to which the work has developed makes it impossible for one person to cover adequately all phases. In addition, many parts of the work are not developed as they should be and with the present staff there seems little prospect for further expansion. This is an unfortunate situation as there are several branches of the health work that should receive attention. The Household Art Course as now given in the Junior High School is incomplete and should have a course in home nursing added to it, also more time and attention is needed for nutritional work. Today the problem of overweight is being stressed on account of the detrimental effect of overweight on health. Reading has many children who are seriously overweight and work along this line would seem justifiable as a part of the school health program.

### Clinic Services

Through the co-operation of the State Department of Health and local private organizations, the Reading schools have the advantages of several clinics, all of which, with the exception of the Posture Clinic, have been in operation for varying lengths of time.

### Schick Clinic

The activities of the department in diphtheria prevention began April 2nd and continued until May 11th, with a total of seven clinic days; a total of 710 children in attendance at the clinic, and an average attendance of 101.

While the clinics are well patronized, many parents are not availing themselves of these opportunities for the protection of their children. Parents should also bear constantly in mind the prevalence of susceptibility to diphtheria and the greater fatality of the disease in children of pre-school age as compared with the school group. For this reason the need of reaching pre-school children is imperative. The school clinics have always been open to the pre-school children yet it hardly seems within the scope of the school health work to handle this group as a whole. Such functions should properly come under the direction of the Board of Health.

### Examination Clinic

A small examination clinic was held April 24th for the purpose of schickening those pupils who had previously been examined at the State Examination Clinic. At the same time, twenty-three tuberculosis contacts were examined. This arrangement proved much more satisfactory from the standpoint of conservation of time than having such cases examined at North Reading Sanatorium. At the time of writing this report arrangements are being made for another clinic at which tuberculosis contacts not under the auspices of private physicians may be examined. There are at the present time forty-five known tuberculosis contact cases in our schools.

### Pre-School Clinic

Due to the small percentage of defects corrected during the summer of 1927, examination clinics for children who were to enter school in

September were not held at the various schools as they had been before, but examinations were conducted at the Pre-School Clinic during the months of June, July, August and September. The value of the pre-school examinations cannot be over-emphasized. Studies by Dr. Baker of New York show that proper and adequate physical examinations made in early life are essential and that if these are properly followed up and suitable treatment obtained the child's health will be more thoroughly protected. Certainly if children could enter school free from remedial defects and in as fit a physical condition as possible a reduction in the loss of time through illness and in waste of money from retardation could undoubtedly be effected. The Pre-School Clinic is rendering a valuable service to the school health program in this particular but naturally does not reach all the children.

#### Dental Clinic

The Dental Clinic, in completing its seventh year, continues to render a valuable service to the health work of the school. A report of the work at the clinic for the school year ending June 30, 1928 is as follows:

304 examinations; 268 Prophylaxes; 1269 fillings; 299 extractions; 107 treatments. One thousand one hundred and six visits were made to the clinic by 304 individual children. Eighty-seven new cases were enrolled and 262 completed cases were discharged.

The need for the clinic has far exceeded its capacity. The dental committee has attempted to meet this situation by setting an age limit for new cases, but even this is inadequate in solving the problem.

The clinic has undertaken this past year two new functions, which I feel are decidedly worthwhile. Examinations of the teeth of pupils in the Lowell Street and Union Street schools were made by the school dentist. This type of examination is valuable, as, in the majority of dental disturbances, only the dentist with the aid of his instruments, can detect the minute changes in the teeth which constitute the beginning of deterioration and decay. While it is not feasible with the limited amount of time the dentist has for clinic work to make such examinations in every grade, it is desirable to have such service in the first, third, and sixth grades.

In addition, the clinic has organized a Pre-School Dental Clinic. The work in this connection included the supervision of dietary and physical conditions as well as actual dental supervision and repair work.

#### Posture Clinic

The most important of the new projects developed during the year was the Posture Clinic with it correlating corrective work in the schools. The clinic was established and is financed by the Reading Good Health Committee and is open to all children of school age. The Committee was most fortunate in securing as the Director of the clinic Dr. W. R. MacAusland of Boston, a man who is nationally known for his work along the orthopedic lines. Already much has been accomplished as evidenced by the following report: Number of Clinics held, 5; Visits to Clinic, 88; Cases Enrolled, 50; Discharged Cases, 2.



As a result of the clinic sixteen children are today wearing some sort of corrective appliances; forty-two are receiving individual posture correction in the form of exercises; three have had X-rays and five have been operated upon. Of the five operative cases, four children who had infantile paralysis deformities were operated upon by Dr. MacAusland on December 14th at the Winchester Hospital.

### Physical Education

The physical education department has undoubtedly shown the greatest expansion and development of any single school health agency during the past year. Corrective work started in the High School last year, was extended to the Junior High School, and regular classes of corrective gymnastics are now being held under the direction of Mrs. Tyacke and Mr. Althoff. The School Committee is to be congratulated upon securing Miss Lancaster to fill Miss Nelson's place at the High School and also in the arrangement of the program whereby she supervises the physical education work in the grades and has charge of the corrective work throughout the schools. Miss Lancaster, because of her previous training and experience, is especially fitted for work of this type and the high order of work that she is doing deserves the commendation of the health department.

The physical education teachers have assisted greatly in the detection of postural defects by being present at the time during which physical examinations of pupils have been made. The health instruction in the lower grades has continued along the same general lines as in previous years. The work in the fifth and sixth grades has been re-organized and a new course of study in the main similar to the Cleveland Course of Study in Health has been adopted. The program of health instruction in the Junior High School is similar to that described in last year's report.

### Other Activities

Applicants for the health camp were carefully selected during the month of April and were examined at North Reading Sanatorium. This entailed taking the children to the Sanatorium and securing the correction of any physical defects as no child was sent to camp who was not free to gain. Sufficient funds were raised by the Reading Good Health Committee to send ten children to camp. It is regrettable that we have no open-air room as many of these children would continue the improvement made at camp much more effectively under the regime of the open-air class than under the regular school program. This department rendered valuable assistance in the sale of Christmas seals; in the handling of children's tickets for the movie for the purpose of raising money to send children to the health camp; and in arranging the Christmas party given to some of the school children by the Reading Good Health Committee.

### Conclusion

If a fair advance has been made during the year in the school health work, such progress has not been made through the efforts of this depart-

ment alone. The best results in any health work are attained only through the co-operation and whole-hearted interest of every one in the school and in the community. Our work has been made easier by the support given to our efforts by the local unofficial agencies, by the teachers, and by the parents. The substantial backing by such organizations at the Reading Good Health Committee, the Red Cross, and the Tuberculosis Committee, and the co-operation of the Department of Welfare and the Reading Visiting Nurse Association have contributed in no small way to the growth and success of the work. The Reading Chronicle has given us much valuable space.

At this time I wish to express my appreciation to each and all who have contributed to the work of the health department.

Respectfully submitted,

MABEL M. BROWN, R. N.

School Nurse.

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#### REPORT OF THE POSTURE WORK IN ALL SCHOOLS AND PHYSICAL EDUCATION WORK FOR GIRLS IN THE SENIOR H. S.

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The physical education work for the girls of the High School has been continued along the lines of previous years. The work is divided into sports, class work in the gymnasium, and posture training in special corrective classes.

An effort was made to revive an interest in field hockey. By an amiable understanding with Coach Aldred, on two days a week the girls used part of the football field for practice. As it has too rough a surface for finished playing, and was not marked, no hockey games could be played on it. The team was invited to play several practice games away from home with Stoneham, Winchester and Swampscott. Considering the handicaps under which they practised, they made an excellent showing. Hockey is a particularly good game for high school girls because it gives a comparatively large number a chance to participate and because the various playing positions offer opportunities for different types of players—the slow, the fast, the athletic, and the less rugged. At the end of the season the school entered the Greater Boston All-school tryouts for the honorary hockey team. Four players survived the first cut, one player was invited to the final tryout. With a proper playing field the High School would show great enthusiasm for this fine sport.

The Basket Ball season opened with a new policy. Mr. Sussman has decided to place Reading High School on a par with other progressive schools by discontinuing inter-school championship games for girls. As schools are primarily in the business of education and as no educational



advantages accrue from this type of competition which cannot be met by other kinds of games, it is thoroughly in keeping with the best physical education ideals to give up inter-school competition. The same amount of coaching time is devoted to a larger number of pupils. Early in the season a series of games between the different gymnasium classes was played off. This is to be followed by interclass games for class numerals. A final varsity squad will be chosen to play three invitation games with other schools. These are to be more in the nature of a play-day and informal sports meeting than for championship play.

For the spring season other sports such as baseball, tennis or track are to be featured.

The regular class work is planned to progress from simple gymnastic exercises to those requiring more strength and skill. The apparatus ordered for the gymnasium will be of inestimable advantage to the girls. It is almost impossible to develop muscle and courage without it, and unless they are developed by the end of the high school they are not likely to be acquired at all. Many girls are fortunate in possessing a background which brings them to school already possessing considerable initiative and skill. If the less fortunate are to be made their equal, they must have opportunities to hang, to climb and jump under safe supervision which is just what gymnasium apparatus offers.

Posture training has received special emphasis. Every month each class is given a posture test. Those who show continued deficiency are assigned to supplementary work in a special class. Any serious cases are recommended to the Orthopedic Clinic under Dr. McAusland. Most faulty posture is due to ignorance or carelessness and this can largely be corrected by regular class work. No girl is assigned to the special class until she has had an opportunity to correct herself by her own efforts, and has shown that this is not sufficient for her particular case.

For the first time this year physical examinations by the school physician, Dr. Henderson, were extended to the High School. These examinations have become part of the regular school routine in all the lower grades. It is important to carry through this work, and also to check on the health of pupils who enter the Reading Schools for the first time. Every effort is made to make the examination easy and pleasant for the girls. At first there was some misunderstanding as to the desirability of taking such an examination, but most of the pupils were glad of the opportunity to secure the necessary approval for their participation in school sports at this convenient time. A number of physical defects requiring treatment were discovered. This alone was enough to prove the value of such an annual health check.

The posture work in all the schools has been organized around the Orthopedic Clinic as a center. In all the grades through the sixth, posture training is given all the pupils. The efficacy of this work is checked by posture tests. Five hundred and forty-nine pupils have been helped by a

little instruction and stimulation to better effort. The balance are being given special help in small classes. Since there is very little space and no equipment available for this work not much can be accomplished. Serious cases are recommended to the Orthopedic Clinic. The follow-up work advised by the clinic is also carried on in these special classes, but that, too, is handicapped by inadequate facilities. What is most necessary for these pupils, however, is systematic physical education beginning in the first grade to teach correct posture. At the same time exercises to strengthen the muscles of posture and to counter-balance the excessive amount of sitting necessary in school work, is absolutely essential. Such work, to be effectual, needs trained supervision and whole-hearted co-operation from teachers. It is not possible to let these five hundred children reach Junior High and then expect to straighten them out. Some of them will have acquired permanent body defects by that time. The remainder will form too large a proportion of the school enrollment to receive individual help. Correct posture is an individual problem. Each pupil must be placed in correct position by a skilled teacher, over and over again until his muscles learn the feeling and it seems more natural than faulty posture. This kind of help cannot be given in large classes. Moreover, unless the children have had some practice in simple gymnastic exercises they are very much harder to teach correct posture. If adequate posture facilities and skilled supervision are not available until Junior High School, the program is not on the best basis.

At Junior High School there is every facility for good posture work, but the problem is so large that there is not time for the excellent teaching staff to handle it. The special camera is in constant use to make a graphic record of cases needing attention. They stand as mute testimony to the inadequate program of the lower grades, where these cases originate and where, under trained supervision, they could be cured.

The Orthopedic Clinic is of immense value. It acts as a constant check on the work of training for posture in the lower grades. It stimulates parents to co-operate on efforts to correct defects. It remedies serious defects which could receive help in no other way. As a center for the corrective work it is unifying all the physical education work of the town, setting a high standard for all the departments to attain. With the assistance of a practice teacher a program of supervision and posture training for the lower grades is being tried out. Before cases can be recommended for clinical attention it is only reasonable to see if ordinary teaching methods are not sufficient to meet the pupils needs. Therefore it is necessary to start a teaching program. In many cases this has proved sufficient to correct mild postural defects. At the same time pupils are prepared to do better physical training work when they reach the departmental classes at Highland School. The program at Highland School has been definitely co-ordinated with Junior High work so as to prepare the pupils for their larger interests there.

If the physical education department can be gradually developed along these lines a continuous improvement in the health, appearance and efficiency of the school children will be the reward.

JULIA E. LANCASTER,

Director of Remedial Gymnastics.

## REPORT OF THE ART DEPARTMENT, 1928

Mr. Adelbert L. Safford,  
Superintendent of Schools,  
Reading, Mass.

Dear Sir:

Herewith I submit my 7th annual report of the Art Department.

The major objective in the course of Art is the appreciation of beauty which is being developed through knowledge of the basic laws that control the appearances of nature and art. During the process of acquiring such knowledge certain clearly defined attitudes, habits, and skills have been developed in the children namely:

### I Attitudes:

- 1 Respect for one's own efforts.
- 2 Respect for the efforts of others.
- 3 Desire to create.
- 4 Joy in work and pride in doing it well.
- 5 Willingness to take the initiative.
- 6 Willingness to co-operate.
- 7 Enthusiastic use of graphic modes of expression.
- 8 Desire to improve.

### II Habits:

- 1 Applying laws to everyday problems.
- 2 Seeking beauty in one's environment.
- 3 Independent thinking.
- 4 Self-criticism of work.
- 5 Orderly procedure.
- 6 Intelligent purposeful collecting.
- 7 Seeking information from books, pictures and people.
- 8 Accuracy.
- 9 Discriminating observation.

### III Skills:

- 1 Hand control.

- 2 Control of pencils, crayons, brushes, scissors, lettering pens, etc.
- 3 Selection or choice between good, poor, fine and mediocre.

The pupils are taught to love and appreciate beautiful line, pattern, and color in textiles, in furniture, in pottery, and in all art subjects. It is not necessary that they laboriously draw fine period furniture, but it is necessary that they recognize the beauty in it. The children are becoming acquainted with the world's great masterpieces of painting, sculpture and architecture. It is hoped that the pupils look for beauty instead of ugliness and find happiness in doing so. Henry Ford, some few years ago, said, "I would not give five cents for all the art in the world." He made a car on up and down lines and it went that way. It is rather interesting to note that he has since spent twenty millions of dollars to get a little art into his car.

Beauty undoubtedly has a great effect upon character and, while we do not believe that all children reared in beautiful surroundings are necessarily good, we do believe that their chances are better for being good; that if their lives are filled with beauty, if their eyes are trained to see beauty, they haven't time for ugly things. Beauty, truth, and goodness go hand in hand.

A great deal of this work has been accomplished by lessons in lecture form. The illustrative material used in connection with the lectures comes from my personal collection which has taken years to accumulate. Many of the plates come from choice art books and magazines; many are large photographs suitable for class work while others have been purchased on my trips through Europe. For example, I have a picture of a finely designed wrought iron gate, a photograph which reproduces a small part of the exquisitely carved ceilings in one of the chateaux of France, pictures of rare old lace with elegant pattern, gorgeously colored Italian pottery, and many other things of similar nature. The classes seem to enjoy these immensely.

Perhaps the greatest need of art in the public schools is to teach the thing called good taste. Unfortunately few people have this naturally. Many times every day we are called upon for choices between good and poor in design, in color, in arrangement. We must apply principles of art and color, theory along with appropriateness, if we are to solve these problems correctly. This ability the pupils are learning to acquire in all grades through the study of art. They are being taught to apply the principles as working tools whether in school or elsewhere.

The use of posters for advertising the school activities has increased to such an extent that special attention is being given to this phase of the school art work in the Junior High School and the Senior High School. It involves tremendous amount of free hand drawing, design, composition, color, and lettering. The boys and girls are showing some very fine draftsmanship, originality and creative ability.



Last year four girls, graduates of Reading High School, entered the Massachusetts School of Art; after four years in this free state school they will receive a degree and good positions, I am sure. One other graduate entered the Vesper George School of Art. The year before last one girl entered the Scott Carbee School of Art and won a scholarship.

In concluding this report, I wish to express my sincere appreciation to all the teachers, to Miss Emerson, my assistant, and to you, Mr. Safford, for your interest and assistance.

Respectfully submitted,

M. ADELINE LAHAISE.

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## REPORT OF THE SUPERVISOR OF PENMANSHIP, 1928

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Mr. Adelbert Safford, Superintendent of Schools, Reading, Mass.

Dear Mr. Safford:

I submit herewith my second annual report of the work of the Penmanship Department.

In my report of last year, I endeavored to bring out the importance of writing in our schools, and gave some of the essential points in establishing a permanent foundation.

I am very happy to state that we are well started towards laying this foundation.

All classes are supplied with the Zaner and Freeman books, and from all reports, both teachers and pupils are enjoying them.

### THE PRIMARY GRADES

Throughout our primary grades much enthusiasm is being shown by teachers and pupils alike.

It is surprising to see how much progress has been made in one year.

The first grades at the present time are doing some unusually fine work. Last year, these grades covered the greater part of the small alphabet and a few of the capital letters.

The third and fourth grades are earnestly striving to form the habit of keeping a correct position in all written work. To help this cause along, we are giving certificates of position and improvement in writing in these grades.

One of the most important points to be developed in the first four grades is rhythm. This is absolutely essential to develop speed and lightness of lines.



To develop rhythm, we are using nursery rhymes, simple songs, or poems instead of the usual method of counting. There are also many interesting stories that we are using for developing the various letters and bringing out the essential points of position. The children enjoy these stories and rhymes greatly.

I have also used the victrola in connection with the writing lessons a number of times during the past year.

Penmanship, to-day, is not the slow, uninteresting subject that it was a number of years ago. The children thoroughly enjoy the work and look forward to the lesson with great anticipation.

### HIGHLAND INTERMEDIATE

The work in the fifth and sixth grades, last year, showed little progress, owing to certain difficulties encountered.

However, this year, these difficulties have been overcome and marked progress is already being shown. The children are interested and enthusiastic.

Last year the writing was so low in standard that no certificate test was given until June, and then, only four students passed.

This year, the first test was given early in December and fifteen students passed and will receive the Grammar Grade Certificate.

It is the wish of the supervisor to lay a secure foundation in the primary grades so that the majority of the pupils in grades five and six may be able to attain the standards now required in the Junior High School. In this case, penmanship, in time, may be eliminated to a certain extent in grades seven and eight except for a possible clinic for those who find handwriting exceedingly difficult and for those whose writing drops in quality.

### JUNIOR HIGH SCHOOL

Penmanship in the seventh and eighth grades is being carried on with most gratifying results as shown by the number of certificates awarded this past year.

118 Grammar Grade Certificates

56 High School or Business Certificates

6 Advanced Certificates

To receive the Grammar Grade Certificate, a student must have a standard of at least 70%. To receive the High or Business Certificate, a standard of at least 80%, and to receive the Advanced, a standard of at least 90%.

The Advanced Certificate is the highest award that can be given a student in handwriting.

When a student passes the test for the High or Business Certificate, or as I explained above, a standard of at least 80%, he may be excused from

the penmanship work but must submit a paper every week that is written in some other class. Should that pupil's writing drop below the 80% mark, he must return to the class work in penmanship until he has again reached the standard for being excused.

I might state here that this idea was presented to me by Mr. Blaisdell and it is working out with great success.

It is very gratifying to a penmanship teacher to receive such excellent co-operation from the principal.

Speed and quality tests have been frequently given in all classes this past year to see that the writing compares favorably with the chart standards issued by penmanship authorities.

I feel that a secure foundation has been established in our seventh and eighth grades and that even greater results will be obtained in the future.

In closing this report, let me thank both teachers and principals who have contributed towards making the past year a successful one; the students for loyalty and you, Mr. Safford, for your faith, counsel and constructive helpfulness at all times.

Respectfully submitted,

MARGARET A. CAMERON,

Supervisor of Penmanship.

## REPORT OF THE SUPERVISOR OF MUSIC, 1928

Mr. Adelbert L. Safford, Superintendent of Schools, Reading, Mass.

Dear Mr. Safford:

It gives me pleasure to submit to you my first report as music supervisor of the first seven grades. In so doing, I wish to express my appreciation of the splendid spirit of co-operation found among the grade teachers.

We have heard many times, and from experience, know it to be true, that a person gains happiness and relaxation by listening to good music. How much happier, then, is the person who can, himself, produce this music, either vocally or instrumentally.

It is believed that there is potential music in every child. It is, therefore, the duty and privilege of the music teacher to help each child to feel the desire to express himself musically, and to teach him how to do it, thus building for a happier nation.

It has been my desire to establish a definite gradation of work, so that each year the child may feel the delight of building upon knowledge already his. With the assistance of the teachers, this will be fairly well accomplished by next September.

In the first and second grades the children must be taught to hear a soft, lovely tone correctly, and to produce a similar tone. If care is taken here, the monotonies in the higher grades will be few. In these grades special attention has been given to rhythmic work, by means of singing games, action songs and folk dances. This rhythm has been continued in some of the third and fourth grades, by having the children draw to some familiar song. This has been enjoyed, and greater proficiency will be gained with continued practice.

Each lesson should be a lesson in music appreciation. That is, the children's attention should be called to the text of the song, and how they can best express it with their singing. In addition, there has been specific appreciation work; such as the recognition of different rhythms, how certain rhythms make us feel, listening for definite things, learning voices and instruments. The purpose of this is to furnish musical tools that may be used to enjoy music heard anywhere.

The work in the fourth, fifth and sixth grades must necessarily be partly drill. In these grades they enjoy discovering their new problems and solving their difficulties. The pupils of the fourth grades have made individual key charts, which have helped them in learning the names of the lines and spaces, finding "do," and in interval study. This year, in the fifth and sixth grades, the program has prevented much group work; therefore, the pupils, in a chorus of one hundred and fifty, have been unable to have the necessary drill work. I strongly urge, that next year the time allotment be so divided that there is more individual group work, with only one chorus period a week.

On the other hand, Mr. Blaisdell wisely divided the seventh grades of the Junior High School into six groups, meeting twice a week, with one chorus period. This has enabled them to do excellent two and three part work, and to have time for music appreciation as well.

There are some children, who, because of mental or physical handicaps, will never make good singers, but who can, and do, respond to rhythm. Take, for example, the Opportunity School. The older pupils there have made drums from flower pots, Indian rain rattles from boxes, sounding boards from wood covered with sand paper, and with a few bells, have the nucleus of a crude rhythmic orchestra. They are learning team work by playing together, obedience in following the leader, and gaining confidence in themselves, and pride in their accomplishment. These orchestras are splendid in the first three grades. The value of them is far reaching. I hope that soon we may be able to have them in the lower grades.

It would be advisable and profitable to furnish supplementary books for the lower grades. There are music books, recently published, which

aim to correlate music with the child's social and school life, with art, and physical culture. The better the correlation with other subjects, the more music will become an integral part of the child.

In closing, I should like to quote from a recent lecture by Mr. Osbourne McConathy, one of the editors of the Progressive Music Series, now in use in our schools. "During the next few years, there may develop a great musical crisis. With the arrival of the radio, the phonograph, the phototone, and the television, there is grave danger that the American youth may become simply passive listeners, and not participators in music, which should be a part of them. It is for the music teacher to guard against this in every possible way."

Finally, let me thank you, Mr. Safford, for your sympathetic interest and kindly assistance.

Respectfully submitted,

MARGARET E. WHITTIER.

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## REPORT OF THE PRINCIPAL OF THE SENIOR HIGH SCHOOL

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Mr. Adelbert L. Safford, Superintendent of Schools, Reading, Mass.

Dear Sir:

I am submitting my yearly report for the year ending December 31, 1928.

The purpose of the American High School is being expanded. Today it is planned for all the children of all the people who show themselves able to profit by an education prolonged to the eighteenth or nineteenth year and whose parents are able to support them while they remain in school so long. Today the position is taken that the high school should offer a program of studies sufficiently varied so that all children will have the opportunity to engage in profitable educative activities. The responsibility of the modern high school does not end here. It goes beyond instructing its pupils in mere subjects. It is expected to guide them in selecting vocational activities after they leave school. This new and elaborate system is a far departure from the old high school system which functioned only for the intellectual aristocracy. Of course such a comprehensive scheme carries with it many new problems, an important and difficult one being standards of scholarship. Some parents look upon the high school as an avenue to college; others expect the high school to prepare pupils directly for office positions; while still others look upon the high school as a place where their children can be kept happy and busy until they are able to fend for themselves, can be sent to so-called finishing schools or become old enough to



drop into the ordinary domestic and social stream of life. Thus with so many varied views the school must have a carefully thought out policy of its own, one particularly adapted to its own community and one which will prescribe to the permanent advantage of most of its pupils and prepare them for a wider and better life. Excellent results have been obtained in the various departments of the Reading High School with all pupils who have brought to the school a reasonable amount of character, industry and intellect.

#### 1928 Graduates

The total number of graduates were ninety-six. Of this number three are at home and four unaccounted for. The remainder of the group is distributed as follows:

Post Graduates	7
Normal Schools	7
Musie	2
Fitting Schools	12
Business Colleges	5
Office Positions	25
Nurse	1
Physical Education	1
College	14
General Work	14
Married	1

Thus it becomes evident that the school is functioning properly in all its departments. Approximately one-fourth of the students of the graduating class are in office positions, due to their commercial training. Approximately a quarter of the students are found in higher institutions of learning, including college and normal school, and a great many of those doing so-called general work are those who use as a basis for their work the commercial education which they have received, preferring to begin work in other departments than the office. Of the twelve to be found in fitting schools eight did not take the college course and the four who did take the college course did such poor work that they could not be certified or recommended for examinations.

Eight students took the College Board Examinations. Of that number two took the so-called Competitive Examinations; that is, they were in competition with hundreds of students for a rank high enough to be listed within this year's college quota; two took the so-called Comprehensive Examinations, and the other four took the Old Plan Examinations. Of those taking the College Board Examinations three had honors in Mathematics and one had honors in Latin. The colleges in which last year's graduates are this year's Freshmen are Harvard, Boston University, Wellesley, Middlebury, Radcliffe, Bowdoin, Dartmouth, Smith and University of Maine.



Not only are the students well prepared for the fields in which they are interested but they do excellent work in these fields. We have had this year, as usual, many flattering comments on the quality of our commercial graduates, and the fact that we have honor students in Radcliffe, Clark University, Dartmouth, Smith, and Harvard, is an indication that our students are well prepared.

### Faculty

While it is undoubtedly true that the Reading High School Faculty suffered considerable loss by the resignation of Mrs. Lyla R. Davis, Mr. Russell P. Taylor and Mr. C. Francis Woods, it is a source of great satisfaction to note that the vacancies occasioned by these resignations have been very well filled by the addition to the faculty of Miss Josephine Barlow, Mr. Charles M. Gates and Mr. Edward L. MacArthur. It would seem from the work thus far produced by these new teachers that the high standard will be maintained.

### Health

Health is always an important factor but I know of no age of childhood to which health plays such an important part as the adolescent age. While this period begins in the Junior High School it is really not in full swing in most cases until the pupils reach the Senior High School. It is for the health reasons that I urge you to do all you can to improve the facilities for serving lunch, and also to improve the locker room accommodations. While the girls' locker room is fairly convenient there is opportunity there for improvement. The boys' locker room, due to the fact that our Physical Instructor, Mr. Aldred, is doing an excellent piece of work in inducing a large number of boys to participate in the various athletic sports, is sadly in need of re-arrangement. Lockers of some sort should be provided. This should include enlarging, if possible, the locker room space. In order to do this it may become necessary to provide lockers in other parts of the building to accommodate the outside wraps.

In connection with the above it might be well to state that while exercise, physical development, and co-ordination of mind and muscles is the chief objectives in football and basketball, it is always an additional satisfaction to have a winning team. Last year's basketball and football teams were very successful in winning their share of athletic contests.

### Tests

The High School is co-operating more closely each year with the Department of Standards and Guidance. While undoubtedly the major work of this department lies in the grades and the Junior High School, nevertheless we feel the need of its co-operation. Practically all students except those coming from other towns have been tested several times by the Department of Standards and Guidance. These tests are of tremendous value to us in determining the proper courses for students to take in the Senior High School. The results of these tests are also valuable as a check against the teachers' marks. We also are using a great many standard

tests, prognostic tests, progressive tests, and hurdle tests. These tests are of extreme value in determining our standards as compared with that of other schools. We are using these tests extensively in Mathematics, English, Latin, and History.

### Opportunity Groups

The widespread use of intelligence tests in the Reading Schools, coupled with achievement and teacher ratings, has emphasized individual differences and made us aware that many children do not possess the necessary capacity to pursue successfully the usual courses. In order that these pupils may be included in the plan for universal secondary education they have in certain subjects been placed in special groups. Mr. Guarnaccia, appointed by the School Board last year, teaches these groups along lines laid out by the Standards and Guidance Department and the Principal. It gives me pleasure to say that the mortality among these pupils has been extremely small and their achievement exceedingly encouraging.

### Vocational Opportunities

If we are to continue profitably the splendid policy which you and the School Board stand for in that you desire to provide for certain types of pupils who, in former years, were not admitted to high school, it becomes evident that the High School must expand its vocational work. We are sadly in need of more equipment and better quarters for Manual Training. One solution might be to have the High School students go to the Highland School for their work in Manual Training. The quarters there are larger and better, and if a few pieces of power machinery could be installed the work could be vastly improved. The objection to having the High School work at the Highland School is the necessity of travel between the two schools by groups of boys taking the work. Classes going back and forth between buildings always present difficulties but these difficulties are not necessarily unsurmountable. I also believe that a department never functions so well if it is removed from the main center.

I believe that if our Cooking and Sewing Departments were in the High School building they would be more popular. Efforts should be made to make these departments,—that is, the Cooking and Sewing Departments,—more popular, more interesting and more valuable to our girls.

### Delinquency

If one is to believe the statistics quoted so often in magazines and papers, youthful delinquency is on the increase. The old policy of students attending school regardless of what they got out of it is no longer tenable. Schools today must function in such a way that the student upon leaving has in his possession certain marketable skills. These skills may be proficiency in the scholastics, in Agriculture, in commercial subjects, in Art, in Science, Manual Training or Domestic Science. Whatever the interests of the individual may be they should be so developed that they are marketable.

### Spoken English

Due to various reasons, largely because of the lack of time and the seeming importance of other subjects, Spoken English does not receive the attention that it should. This is not only true in the Reading High School but in most High Schools about us. I hope it will be possible soon to increase the number of teachers on our staff so that at least one teacher can devote part time to this important subject. We do considerable work with Spoken English in our plays and operettas but not enough. I feel that the plays and operettas are very valuable in developing poise, improving diction, making for clearer enunciation, and also in developing personality. In producing these plays and operettas we include as many students as possible. However, it is impossible to include the entire school and, therefore, some pupils, and possibly those who need it most, do not get this training. The debates sponsored by the League of Women Voters, are of great value for those who are in them and an inspiration to those who hear them.

### Library

Another very important addition to the Reading High School would be a well-equipped library and a library teacher. We need many more reference books quickly accessible to the students and, of course, organized, cataloged and supervised by an efficient library teacher. It is possible to combine the work of a library teacher and a teacher of Spoken English.

Respectfully submitted,

RUDOLF SUSSMAN, Principal.

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## REPORT OF AGRICULTURAL INSTRUCTOR

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Mr. Rudolf Sussmann, Director Agricultural Department,  
Reading High School, Reading, Mass.

Dear Sir:

I take pleasure in submitting to you my fourth report of the work of the Agricultural Department.

The department has followed the prescribed course of study approved by the State Department of Vocational Education. The major subjects taught from January to September were Dairying and Market Gardening. From September on for the balance of the school year the majors will be Orchardring and Poultry Keeping. Along with the major subjects we plan to give a secondary or survey course which covers seasonable jobs and economic developments of interest. Much of the material for this work is taken from agricultural papers and livestock journals, catalogs, and the material furnished by fertilizer companies, makers of farm machinery,

poultry and livestock associations, as well as bulletins and Experiment Station publications. Much of the information from these sources is more timely and modern than that we find in text books. Then we plan to get out on the job for actual work all we can.

In most cases the boys followed through with their projects and supervised work, nine completing ownership projects and eighteen supervised work. This year we were able to provide an extra course in Automobile Repairing at the end of which the following concise report was made:

Ten boys in the Agricultural class had a three months' course in automobile mechanics and repairs under Mr. O. L. Dickinson. The boys were in the shop three hours a day four days a week. The course covered the theory of automobile construction, repairs, ignition, and maintenance. Most of the work was done on Ford cars, but some practice was obtained on Chevrolet, Maxwell, Dodge, Studebaker, and Pierce Arrow, also on Fordson tractors, so that all types of cars except the Knight engine were handled. Besides working on the regular jobs which came into the shop the boys rebuilt and repaired several cars for themselves.

It is an interesting fact that much of the material used was salvaged from wrecks and junk and made into creditable looking cars. The boys also assisted in the construction of a "running in stand" and other permanent improvements for the shop. No figures are available for the general work done in the shop but for the boys' own work we have the following:

Value of labor at regular rates	\$242.00
Value of new parts used	54.93
Value of salvaged parts used	77.50
Value created remaining with shop	75.00
Total cost of course to Town	144.00

On the whole this course was a very profitable one for the class, filling in the time when little agricultural work can be done, teaching the kind of work which every man who handles motors must know, and also showing the value of salvaged material in repairing old machinery and making it usable. This course is to be repeated in 1929.

Financially the year was the most profitable for the boys themselves of any since I have taught here. The total number of boys enrolled for 1927-28 was 19. Those completing the year were eleven. The number of graduates was one. The total number of hours worked amounted to 10,959. Amount earned in Agricultural work was \$3,388.75. Amount earned in shop work, \$294.50. Total earned by students in the Agricultural Course, \$3683.25. High man, Malcolm Bredbury, earned \$429.70. Seven earned over \$200.00 each and four earned over \$300.00 each. Total number of students in the course January 1, 1929, was twenty-one.

In the past year the boys have remodeled two poultry houses and built one new one. Several of them have taken quite extensive jobs of pruning and orchard renovation besides many small jobs done in school hours as practicums.



Last May the Department sent a stock judging team to the State Championship Contest at Massachusetts Agricultural College. They did good consistent work but did not capture any prizes. When we learned that some of the winners had done nothing but judge cattle for several weeks we did not feel quite so badly, for it seems hardly worth while to spend so much time in preparation for a contest of this kind when we are not in a dairy section.

In September the boys struck their winning streak. Fletcher was placed second in stock judging at Topsfield Fair. E. Munnis and McKeague won a special award at Reading Grange Fair. Robert Wheeler with his brother took two firsts and a second at Reading Poultry Show, while Bell won a first, a second, and a sweepstakes at the Boston Poultry Show. In all the cash and prizes amount to over \$25.00 in value. The department also provided part of the Vocational Agricultural Exhibit at the Union Agricultural meeting at Worcester.

The boys in the department are doing good work and sticking to it clear through. This year we should have four graduates. They are doing their part in school activities and taking their share of school honors. We have three letter men in football and the captain of the basketball team is in our department.

A survey of former students made last fall showed several who have become very successful greenhousemen and market gardeners. A number are in poultry, fruit, and dairying who are doing well. All these men paid high tribute to the training they received in the Agricultural Department. Several expressed the opinion that we should find some way to give more training in Floriculture as that is becoming one of the big industries of this town.

During the past year we have had an increasing number of requests for help and advice from the people of the town. This is very gratifying. It is just what we are here for and the students of this department and your instructor will gladly be of service whenever possible.

Respectfully submitted,

HERMON T. WHEELER,  
Agricultural Instructor.



## READING HIGH SCHOOL COMMENCEMENT EXERCISES

Class of 1928

Shepardson Hall

Thursday evening, June Fourteen

at eight o'clock

## PROGRAM

PRIESTS MARCH FROM ATHALIA Mendelssohn

PRAYER—Rev. Charles F. Lancaster

CHORUS—Devotion Mascagni

Senior Class

Salutatory

SKIRTED SUCCESS

Esther Emily Malonson

VIOLIN SOLO—A Flower of Italy D'Agastino

Louis Levine

Accompanied by William Goodwin Day

TORCH ORATION

Malcolm Edward Weeks, President, Class 1928

ESSAY—Louis Pasteur

Isabelle Gould Parker, Class Honors

TRIO

Kenneth William Henchey

Sara Gould Harnden, Virginia Nodding

ESSAY—The Present Day Foes of Democracy

Boyd Harrison Parker, Faculty Honors

CHORUS—Triumphal March from Aida Verdi

Senior Class

Valedictory

THE LADDER

Eleanor Boit Crafts

CONFERRING DIPLOMAS

Carl M. Spencer, Chairman of School Board

CLASS ODE—Words by Alice Victoria Hodson

BENEDICTION—Rev. Marion F. Ham

EXIT MARCH—Militaire Schubert

High School Orchestra

Edith Marion Woods, School Honors, highest average rank. Not eligible  
for Valedictory as two years was in another school.

## CANDIDATES FOR DIPLOMAS, 1928

## Accounting Course

Harry A. Copeland  
Mary Rita Flaherty

Helen Dorothy Gowing  
Addis Alma Jones

## Agricultural Course

Warren Luce Munnis

## College Course

Harold Nickerson Boyle  
Eleanor Boit Crafts  
Edward Francis Halligan  
Sara Gould Harnden  
Kenneth William Henchey  
Frank Richmond Heselton  
Alice Victoria Hodson  
Frank Howard  
Evelie L. Irving

Alfred Kimball  
Warren Kimball  
Jesse Whitman Morton, Jr.  
Arthur Edward Moyer  
George Albert Mussells, Jr.  
Boyd Harrison Parker  
Isabelle Gould Parker  
Evelyn Frances Remick  
Louis Riseman

## Commercial Course

Iris Lillian Birnie  
Doris Raye Brown  
Lois Cheney  
Genevieve Louise Coron  
Katherine Frances Doherty  
Ruth Field  
Doris Perry Gleason  
Carrie May Jones

Edith Elvera Lindquist  
Margaret Mason Lindsay  
Esther Emily Malonson  
Thelma McClintock  
Berenice Parker  
Ethel Marie Pratt  
Ruth Gertrude Stevens  
Ruth Marion Wilkinson

## General Course

Naida Harriet Ainsworth  
Grace Alberta Black  
Mary Claire Brennan  
Eugene Herman Bronson  
Francis Daniel Canty  
Dorothy Kathleen Chase  
William Goodwin Day  
Agnes B. Desmond

A. Roger Hickey  
Sidney Harold Lassell  
John J. Doherty  
Arthur Lawrence Doiron  
Donald P. Gray  
Thomas James Greene  
Ethel Doris Griswold  
E. Lillian Harnden

Eleanor Wright Lovering  
 Arthur Ernest Marchetti  
 Angus E. R. McLeod  
 Kenneth O. Morrison  
 Frances Eleanor Nash  
 Virginia Nodding  
 Alberta Louise O'Brien  
 John Edward Palmer  
 Richard A. Pomfret  
 Elaine T. Ruggles  
 Mary Ryland

W. Gordon Sargent  
 Wilbur Smith Sias, Jr.  
 Gilbert Mills Soule  
 Charles Newhall Sweetser  
 Faith Winslow Thaxter  
 George R. White  
 Lincoln Alvin Whitehouse  
 Anna A. Williams  
 William Henry Willson, Jr.  
 Eileen Frances Wilson  
 Elizabeth Hildur Yunghans

#### Normal Course

Dorothy Mary Babine  
 Dorothy Seward Barnes  
 Miriam Leora Blood  
 Helen Alberta Bredbury  
 Florence Louise Estabrook  
 Marjorie Lucie Hayward  
 Harold Laurence Henchey

Evelyn Mae Holmes  
 Louis Levine  
 Mary Carolyn Lewis  
 Helen Arie Richardson  
 Lucille G. Ware  
 Malcolm Edward Weeks  
 Albert Lewis Wellman, Jr.

Edith Marion Woods

#### Scientific Course

Ralph Wendell Burhoe

George Joseph Riley, Jr.

Alfred F. Staeger, Jr.

#### Secretarial Course

Phyllis Marion Gray

### REPORT OF THE PRINCIPAL OF THE WALTER S. PARKER JUNIOR HIGH SCHOOL 1928

Mr. A. L. Safford, Reading, Mass.

Dear Sir:

I take pleasure in submitting to you my sixth annual report as Principal of the Reading Junior High School.

A new school building is like a new house in that it requires a year of occupancy to make it thoroughly livable. This has been true of the Walter S. Parker Junior High School and many needs have presented themselves, mostly in the way of equipment. Many of those needs have been taken care of, and the others are receiving the attention of the School Committee as rapidly as finances permit.

The present enrollment of the Junior High School is five hundred and forty-three, which is an increase of thirty-seven pupils over that of last year. Increased enrollment without an additional teacher necessitated larger groups this year. Although this has not been a serious problem yet, the size of the class rooms will not permit the class groups to further increase to any extent. It will, therefore, undoubtedly be necessary to plan for an additional teacher at the Junior High School next year.

Believing that pupils can become good citizens only by practicing citizenship, it has always been a policy of our school to encourage pupil participation in school management in every way possible. Particular stress has been given to this policy this year in the organization of the cafeteria. In accordance with a plan presented by a special committee of the student council under teacher supervision, the pupils have been allowed to form their own groups around the tables in the cafeteria. Each group through its self-appointed host or hostess is responsible to one teacher in charge of the cafeteria. This means that the group at each table constitutes a self organized unit responsible for the conduct of its members. The teacher in charge of the cafeteria meets the hosts and hostesses at regular intervals, at the end of the lunch period. This is important. It provides an opportunity for those pupils to discuss their problems and serves as a clearing house for bright ideas. Pupils of junior high school age may not have the mature judgment and stability to carry out such a plan all by themselves, but they can do a good deal with a little help, if given a chance.

It is very gratifying to observe the splendid spirit and effectiveness with which the pupils are co-operating with this plan. Recent visitors from a nearby city were kind enough to say that it was the best bit of cafeteria student organization that they had seen in operation. It has of course required a great deal of preliminary work on the part of the teachers in establishing a standard of conduct. Assembly talks, in some cases by pupils, have helped in making clear the need for organization, in creating a co-operative attitude and a feeling of responsibility.

The fundamental principle involved is that any organized group is a co-operative enterprise. It necessitates certain obligations, and some times a curtailment of personal desires on the part of its members. In return, the organized group makes possible conditions that are for the mutual benefit of all. The task for us as teachers is not only to make that principle clear to the pupil, but in some way to get it to function in action as a part of the pupil's developing philosophy of life. A large portion of this report deals with efforts that are being made to make that principle vital in the life of the Junior High School.

Student organization for some time has operated in the supervision of the corridors during the short interval between classes and during the ten minute free time at the end of the lunch periods. That organization has centered in a traffic squad functioning under the Department of Safety.

Even while this report is being written, some changes are being made in the plan for corridor supervision which ought to make the student organization much more effective than heretofore. Under the new plan all traffic officers, at least for the rest of the year, are to be selected from the Leaders Club organized by one of the Physical Directors, Mr. Althoff. The traffic officers are to meet every day during the second lunch period as a committee under the guidance of the club sponsor, Mr. Althoff, for the following purposes. First, to consider the cases of pupils who have been asked to appear before the committee in answer to charges of not complying with the traffic regulations, which are as simple and reasonable as possible though very definite. Second, to consider preventive measures to be used in the cases of pupils who do not display a co-operative attitude in the corridors to the end that they may not become positive offenders.

Here again wise guidance is necessary. Pupils offend in many cases because they do not appreciate the necessity of controlling their desires and impulses when they conflict with the best interests of the group. They have not learned to play the game according to the rules. They do not distinguish between "Freedom" and "License"—"Freedom," being defined as the privilege of each individual to do what is best for his own welfare and the welfare of the group; "License," being defined as one's tendency to follow his own wishes or desires regardless of how they effect others—a very selfish attitude.

Successful student participation in school organization is not an easy achievement. It is justified, however, if it contributes a control that comes from within the child because he recognizes his relationship to the social group, and is not imposed from without through compulsion. This does not mean that compulsion does not play a part in school management as a means of temporary restraint. It does not effect a cure, however, unless the attitude and point of view are changed.

What should be done with the troublesome pupil who for some reason does not live up to his responsibilities as a member of a social group? This type of pupil, of course, reaps but never sows. He enjoys the freedom and advantages which the social group provides without any reciprocation. He does not play the game according to the rules.

Our past method of dealing with this type of pupil has been to force him by punishment to conform to school regulations, or to talk to the pupil in an effort to make him see his obligations. This method has its weaknesses in that punishment is apt to arouse resentment without a change of attitude, and mere talking or friendly advice too often lacks the reality of experience. We are finding it very effective in many cases to completely isolate such pupils from their group and school activities for an indefinite period. The offender is asked to report to a room provided for pupils who are not in good standing as school citizens, and does all of his work under the direction of the teacher in charge. The pupil experiences for the first time the lack of freedom and advantages that he has previously enjoyed



as a member of the group. The experience is an unpleasant one and it does not take long for the pupil to seek re-instatement. At this point again wise guidance is imperative and the guidance teacher must be ready with an accurate diagnosis of the case and a definite knowledge of wherein the pupil fails to play the game according to the rules. In this process both experience and advice play leading parts in helping the pupil to properly adjust himself to organized group life.

Quoting from last year's report "The junior high school in practice is doing a good deal toward eliminating the distinction commonly recognized between the so-called extra-curricular activities and the other activities of the curriculum. From the point of view of self activity (learning by doing), interest, and co-operative learning, these special activities possess exceptional educational values." Furthermore, they are often indicative of special abilities in pupils that suggest vocational possibilities. These activities or clubs, which are scheduled this year the third period on Tuesday, are listed as follows: Aviation Club, Sketching Club, two Dramatic Clubs, Nature Club, French Club, Penmanship Club, a Leaders Club for boys and one for girls, the Parker Quill Editorial Staff, the Glee Club, and the Orchestra. The club work is not compulsory and it is this year limited to the eighth and ninth grades. Pupils who do not take the club work are assigned to the study hall during that period.

During the Tuesday club period, the seventh grade pupils meet with their home room teachers. The activities for this period are planned to contribute to character building and good citizenship. The pupils are encouraged to supply as much of the program as possible, and the materials used are largely of the following nature: (1) Poetry and stories with a strong emotional appeal; (2) biography that can capitalize the factor of hero worship; (3) pageants and short plays; (4) short compositions written by the pupils that contribute to the purpose of the period; (5) school and class organization is thoroughly considered and an effort made to inculcate the ideas suggested above in the discussion of pupil participation in school organization. In fact, it is hoped that this guidance period will act as a kind of preliminary training school for a student body that learns to become good citizens by being good citizens.

A good deal of attention this year is being given by the physical directors to the problem of posture correction. Pupils with posture defects were discovered through the physical examinations given by the school physician, with the parents' consent. Exercises for the ordinary posture defects are prescribed and supervised by the physical directors. Unusual cases are referred to the clinic located at the Grouard House. The supervisors are limited in the corrective work, because the exercises require a great deal of time for supervision. In many cases, the physical director has asked that certain exercises be done regularly at home under parental supervision. In such cases, however, the pupils are checked at regular intervals for progress.

It is of course true that the success of any school cannot rise above the ability and willingness of its teaching corps to carry out the policies of the school, which are in part promulgated by the teachers themselves. It is therefore essential to retain teachers of proved ability, and to provide adequate inducements to attract the best candidates for vacancies that arise. The Junior High School is a recognized unit of the secondary school, and the teacher requirements are certainly as exacting as in the Senior High School. I feel very strongly that the same possibility for advancement should exist in both units of the secondary school on the basis of similar training and experience. That possibility already does exist for the men teachers of both schools. It is quite desirable that it should also exist for the women teachers.

Respectfully submitted,

RAYMOND W. BLAISDELL.

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**REPORT OF THE PRINCIPAL OF THE CENTRAL PRIMARY  
SCHOOLS, GRADES 1-4 AND THE INTERMEDIATE SCHOOL,  
GRADES 5-6, 1928**

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Mr. Adelbert L. Safford, Superintendent of Schools, Reading, Mass.

Dear Sir:

I hereby submit my annual report as Principal of the Union St., Center, and Highland Schools.

The organization of these schools is the same as last year with the exception that another room was opened in the Center School.

In the first grades at the Union St. School, the Courtis Smith Picture-Story Reading Method which was adopted last year has proved very satisfactory. By this method the children "learn by doing." They not only learn to read well and quicker by this method but the handwork which goes with the system trains them in drawing and in ability to follow directions. It also trains them in self-reliance and concentration and habits of neatness and order. This method also permits each child to progress as rapidly as his ability will permit.

Last year there were only five of the ninety pupils who entered the first grade who were not promoted to the second grade and these would probably have been promoted but for illness or continued absence.

This method which was first used in Detroit is comparatively new in Massachusetts so that superintendents, principals and teachers have visited this building to see this method in operation. The records show that there

were seventy-four visitors representing thirty-two towns and cities. All the visitors have been very enthusiastic about the work which is being done by the pupils and the method has since been adopted in some of their schools.

Next year we hope to carry this method more extensively into the second grades.

Two students from the Lesley Normal School have been training in this building.

There were so many pupils for the second, third, and fourth grades that it was necessary to open another room at the Center School. We were fortunate in securing for this room Miss Perkins, a graduate from Salem Normal School, who trained in the Highland School last year.

Miss Helen Quinlan who has taught so successfully for many years resigned in June to be married. This was a great loss to the school but Miss Winchester, a graduate from Salem Normal School, who trained under Miss Quinlan last year, was elected for her room so the work is being carried on in a very satisfactory manner.

Silent reading is being specially stressed in these grades. By the use of tests with the Thought Test Readers the teacher checks up for comprehension as well as for vocabulary.

As in the past years, students from the Salem Normal School are training in this building.

There were so many pupils entering the first grade at the Highland School that it was necessary to do some redistricting and send some to the Union St. School where there was more room.

The Curtis-Smith Method of Reading was introduced in this room this year and the pupils are progressing rapidly but would do better if they could be in a room by themselves and not with the second grade.

The work in the third and fourth grades is being carried on very successfully. A student from the Lesley Normal School has trained in the second grade and one from the Salem Normal School is training in the third and fourth grade room as well as those training in the fifth and sixth grades.

The work of the Intermediate School which includes all the fifth and sixth grades is departmentalized as last year although many changes have been made in the program and the periods are longer. This has been more satisfactory as it eliminates study periods and the written work is under the supervision of the teacher who specializes in that subject. Miss Whittier was elected supervisor of music in the grades and Mrs. Blaisdell of the Junior High faculty was elected to fill the vacancy. She is also assistant to the principal and with her former experience in the Highland School as well as her experience in the Junior High School, has given valuable assistance in organizing and carrying out many new plans.

The "Individual Method" so called was begun last year by the introduction of the Washburne Individual Speller. By this method the

pupil studies only the words he does not know how to spell and progresses according to his own ability.

This year the Individual Method is being used in teaching Arithmetic. By means of assignments the pupil progresses at his own rate of speed so the rapid pupil is not held back nor the slow one pushed ahead beyond his ability to comprehend. Frequent tests are given so the teacher knows whether the pupil understands the work. If the pupil passes the test ninety per cent or ninety-five per cent he takes the next assignment which has more difficult problems. The teacher then gives each pupil who does not pass the test the special drill he needs.

In the sixth grades History is being taught by the problem method. Each pupil is provided with A Students Work Book in Backgrounds of American History. By this method the pupil is led to see that history is a record of the problems people have had to meet in the past. In solving over again these problems, he finds the story of the development of our country more interesting. This method includes reading of references, consideration of questions in the notebook and writing answers in notebook.

Language is also being taught by the assignment method in the sixth grade by a plan similar to the Miller plan of the C. B. and A. assignments. The C. assignment is required of every one. When the pupil finishes the C. assignment, he may do the B. and A. assignments.

This year a course in Science was introduced in these grades. The aim of this course is to familiarize the child with the common plants and animals and their importance in man's life, also to study some of the applications of physical science in the play life of the child.

The Library method of teaching reading is being used. The aims of this method are the same as any other method but the chief aim is to teach a love of reading. A small library of books is supplied each room and in addition some are furnished by the town library. Each pupil selects one that he likes and reads it silently and reads some incident for the benefit of the class.

In June 121 pupils received one or more "five-book" reading certificates and 17 pupils received Honor certificates for reading twenty books. One pupil received two Honor certificates and two pupils received three Honor certificates. These certificates were presented by one of the trustees of the public library.

Once a week in connection with the teaching of civics and citizenship a lesson in thrift has been given. Not only the saving of money but the saving of time and materials has been stressed. The pupils of the fifth and sixth grades kept a record of their savings for a month and reported that they had saved from allowances and earnings \$669.89. Besides the money saved by the stamp bank at the school many had saved in the Savings Banks and Co-operative Bank. The boys earned their money by doing errands, being caddies and working in stores, earning up to \$2 a week. The girls have allowances or earn money at home or by doing errands from twenty-five cents to one dollar a week.



Special stress has been given to the teaching of Health. A very definite program has been arranged and a full set of reference books given to each class. Besides the study of health habits which promote growth and health, a study is made of classes of foods, their source and value of each. In order to stimulate more interest, a Health Magazine is being edited by each class. This magazine includes the best essays and drawings which have been done by the class thus correlating this work with the English and Art departments. Besides this each child has his individual notebook.

A new feature in our health education is the work being done by Miss Lancaster of the High School faculty. She not only supervises the physical training in the first six grades but she has charge of the postural needs of these grades. By posture tests which are given to all the pupils she finds those who need remedial work. Once a week these are given instruction and exercises which are followed up by daily work at home.

Many children have attended the posture clinic and two from this district have been to the Winchester Hospital for treatment. Already marked improvement has been shown not only physically but in their ability to do their work better.

A student from Posse Nissen school is training under Miss Lancaster and is giving class instruction in the primary grades.

The organization of the Opportunity School is the same as last year, a primary group and an elementary group. These groups are small so that individual instruction may be given. Good work has been accomplished in both groups so that at the beginning of this year thirteen pupils went back to the regular classes of their grades.

Respectfully submitted,

M. GRACE WAKEFIELD.

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## REPORT OF THE PRINCIPAL OF THE LOWELL STREET SCHOOL

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Mr. Adelbert L. Safford, Superintendent of Schools, Reading, Mass.

Dear Sir:

Herewith I submit a report of the Lowell Street School for the year ending December 31, 1928.

This is the second year that we have had the primary grades only, the 5th and 6th grades attending the Highland School as they did last year. The present arrangement works out very well indeed, particularly on the playground where the children, being so nearly of an age, play well together.



The number of children who bring their lunches is far less than formerly since so many children are transported by bus to and from their homes. This is gratifying as we feel they are better off for having a hot meal at noon. The same bus was used to carry the children living on the other side of Mineral Street Bridge while the latter was out of order. These children were dismissed ten minutes early noon and night in order that the bus could be back again in time to convey the larger group that is regularly carried through Grove and Franklin Streets to North Main Street.

Since September Miss Lancaster, the Physical Training teacher at the High School, has made weekly visits to the school instructing, testing and helping the children in good posture. Encouraging results have followed. Those children who fail in the posture tests have the privilege and opportunity of attending the Posture Clinic held once a month. It is necessary to have the parent's written consent before the child can take advantage of this opportunity.

The Playground Apparatus consisting of see-saws, rope swings, jumping standards and a trapeze has been repaired and re-painted. Sincere appreciation is extended to Mr. Fred Merritt for his kindness in splicing the ropes for us without charge.

One of the pupils from the Lesley Normal School has spent a month this fall in the third grade for observation and practice teaching. For three days she substituted in the second grade when the regular teacher was ill and not able to be at school.

The year has been an especially happy and satisfactory one due to the splendid attitude and co-operation on the part of the teachers.

Respectfully submitted,

NELLIE P. BEATON, Principal.

# TEACHERS IN SERVICE, DEC. 31, 1928, WHERE EDUCATED, YEAR APPOINTED ALSO ENROLLMENT FOR FOUR MONTHS ENDING DECEMBER 31, 1928

SCHOOL	GRADES OR SUBJECT	NAMES (F TEACHERS	GRADUATE OF	Year Appointed	Salary	Total Enrollment	Average Membership	Average Attendance	Per cent of Attendance
High School	Supt. of Schools...	Adelbert L. Safford	*Bates College...	1913	\$3800	2099			
	Dir. Stan. & Guid.	Idea C. Lucas	*Worcester Nor. & Boston Univ.	1917	1900				
	Asst. Stan. & Guid.	Verma L. Wadleigh	*Parsonsfield Seminary	1927	1700				
	Draw Super.	M. Adeline Lahaise	*Mass. School of Art	1919	1900				
	Sec. Mgr. Lunch Rs.	Abigail H. Mingo	*Boston Univ. & Chandler Sec.	1918	2200				
	Music Super.	Edward MacArthur	*N. E. Cons. of Music	1928	700				
	Principal	Margaret Whittier	*Salem Normal	1916	1600				
	Coach Math.	Rudolf Sussmann	*Conn. Agric. College	1927	3400	405	392.47	369.80	94.22
	Com. English	Joseph A. Aldred	*Bowdoin College	1924	2400				
	Man. Tr. Mech. Dr.	Elizabeth A. Batchelder	*Salem Normal	1916	1900				
	Shorthand-Type	Alfred Boehm	*Trade School, Hamburg, Germany	1920	2400				
	English	Elva A. Buckley	*Bay Path Institute	1923	1900				
	Bkkg. Pen.	Josephine M. Barlow	Mt. Holyoke	1928	1900				
	Ger. Eng. Geo. Lat.	Alberta F. Drury	*Posse Niscon, Salem Normal	1917	1000				
	English	Elizabeth Dunning	*Mt. Holyoke	1928	1000				
	History	Maveret H. Flower	*Syracuse University	1926	1900				
	Sten. & Type	Charles Gates	*Yale Harvard	1928	1600				
	Com. Geo. Eng. A th	E. Frances Greenhalgh	*Bay Path Inst., Willimantic Nor.	1914	1900				
	Math	Charles Guarnacchia	*Boston University	1928	1600				
	Phys. Ed. - Posture	Luke Halpin	*Bowdoin	1922	2400				
	Physics, Chem.	Julia Lancaster	*Sargent, Boston University	1928	1900				
	French	Frederick J. Pope	*Colby	1922	2400				
	Latin	Marian T. Pratt	*Vellesley	1919	1900				
	Eng. French	Mildred B. Sussmann	*Radcliffe	1919	1900				
	Biolog. W. Hist.	Ellenor A. Warren	*Wellesley	1925	1800				
	Agriculture	Eileen S. Wright	*Mt. Holyoke	1926	1500				
		Hermion T. Wheeler	*Mass. Agric. College	1924	2300				
W. S. Parker Junior High	Principal	Raymond W. Blaisdell	*Bates College	1923	3500				
	Phys. Ed.	Philip W. Althoff	*Springfield College	1927	2100	36	36.18	34.51	95.23
	Math	George D. Anderson	*M. I. T., 2 yrs., B. U. 1½ rs.	1926	2100	38	37.25	36.49	97.94
	Social Studies	Carl W. Belmore	*Bates College	1927	2500				
	English	Clarissa I. Brown	*Gorham Normal, B. U.	1924	1700	38	37.23	35.32	94.86
	Penmanship	Margaret Cameron	*Salem Normal	1927	2000				
	English	Helen Barelay	*Radcliffe	1929	1700	36	32.45	31.04	94.63
	Domestic Science	Harriet Burr	*Simmons	1929	1600				
	Science	Marian D. Day	*Beverly High	1924	1700				
	Print. Gen. Shop	George R. Draper	*Fitchburg Normal	1927	2200				

**TEACHERS IN SERVICE DEC. 31, 1928, WHERE EDUCATED, YEAR APPOINTED**  
**ALSO ENROLLMENT FOR FOUR MONTHS ENDING DECEMBER 31, 1928**

SCHOOL	GRADES OR SUB- JECTS	NAMES OF TEACHERS	GRADUATE OF	Year Appointed	Salary	Total Enrollment	Average Membership	Average Attendance	Per cent of Attendance
Highland	Drawing.....	Eleanor F. Emerson.....	*Salem Normal.....	1915	1700	33	32.64	30.93	94.76
	Woodwork.....	Lyman E. Fancif.....	*Mass. Normal Art.....	1918	2200				
	Social Studies.....	Lestina M. Goddard.....	*Gorham Normal.....	1920	1700	35	33.50	32.27	96.36
	Social Studies.....	Grace M. Harriman.....	*Raddcliffe.....	1928	1700				
	Science.....	Glady's Henderson.....	*Salem Normal.....	1928	1100	36	35.29	32.89	93.1
	Math.....	Rita LaHaise.....	*Roxbury High.....	1921	1700				
	Math.....	Inez H. Lewis.....	*Gorham Normal.....	1923	1700	35	34.19	32.68	95.56
	Social Studies.....	Louise B. Maxwell.....	*Bridgewater Normal.....	1920	1700	34	34	32.79	96.44
	Math.....	Emma S. Page.....	*N. H. State Normal.....	1899	1900				
	Engl. Room.....	Claudia Perry.....	*Raddcliffe.....	1928	1300	34	32.62	30.53	94.22
	Math.....	Anna Reck.....	*Raddcliffe.....	1927	1700	23	20.28	18.41	90.8
	French.....	William Rich.....	*Salem Normal.....	1928	1400	35	34.25	33.09	95.17
	Eng. French.....	Carmen Simon.....	*Boston University.....	1928	1700	38	38	36.32	96.70
	Phys. Ed.....	Helen Thompson.....	*Wheaton.....	1928	1600	33	32.95	31.17	94.59
	Bus. Pr. Type.....	Margaret Tyacke.....	*High School.....	1926	1700	36	36	33.68	94
		Ethel S. Williams.....	*Salem Normal.....	1922	1700	31	31	29.12	93.93
Center	Prin. Cen. & Un.....	M. Grace Wakefield.....	Salem Normal.....	1890	2400				
	Grade 6.....	Doris G. Blaisdell.....	*Tutts College.....	1925	1700	42	40.97	38.68	94.9
	Phys. Tr. Hygiene.....	Marjorie Buckle.....	*Posse Nissen.....	1927	1100	46	44.35	42.79	96.49
	Grade 5.....	Eva M. Clark.....	*Nova Scotia Provincial Normal.....	1927	1400	44	42.77	40.70	94.98
	Grade 1.....	Winifred Cochrane.....	*Plymouth, N. H. Normal.....	1919	1500	19	18.25	15.98	87.90
	Grade 2.....					22	21.75	20.55	95.78
	Grade 3.....	Halden L. Daniels.....	Salem Normal.....	1927	1100	17	17	15.52	91.31
	Grade 4.....					21	20.13	19.56	97.07
	Grade 6.....	A. Louise Fogg.....	*High School, 2 yrs. College.....	1919	1500	40	39.25	37.52	96.31
	Grade 5.....	Matilda J. Gamble.....	*High School.....	1920	1500	45	44.25	42.28	96.03
	Grade 6.....	Carolyn C. Grace.....	*No. Adams Nor., Concord Bus. Col.	1919	1500	37	36.17	32.75	90.51
	Grade 5.....	Florence Potter.....	*Plymouth, N. H. Normal.....	1925	1500	37	35.99	34.35	95.44
	Grade 6.....	Annie Quillen.....	*Salem Normal.....	1916	1500	36	33.63	32.18	95.74
			Boston University.....						
	Grade 4.....	Vera Buckle.....	*Salem Normal.....	1915	1500	38	37.39	35.41	94.89
	Grade 3.....	Genevieve Quinlan.....	Salem Normal.....	1921	1500	41	40.51	38.79	95.78
	Grade 2.....	Alberta Mathieson.....	Salem Normal.....	1924	1500	45	43.22	40.78	94.30
	Grade 3.....	Isabelle Winchester.....	Salem Normal.....	1928	1000	16	15.81	14.48	91.58
	Grade 2.....					27	25.74	24.51	95.22
	Grade 4.....	Norma Perkins.....	Salem Normal.....	1928	1000	39	37.30	36.00	96.77

Union Street...	Grade 1.....	Alice Berry.....	Bridgewater Normal.....	1927	1300	41	38.85	37.72	94.97
	Grade 2.....	Addie A. Copeland.....	*High School.....	1925	1400	18	13.92	12.15	87.25
	Grade 3.....	Glenna Dow.....	*High School.....	1919	1500	41	39.58	37.94	95.85
	Grade 4.....	Dorothy Williams.....	Bridgewater Normal.....	1926	1300	35	34.30	31.71	92.42
Lowell Street ..	Prin., Grade 4 .....	Nellie P. Beaton.....	*High School.....	1920	1700	29	28.42	27.40	96.47
	Grade 1.....	Dorothy Burgess.....	Lesley Normal.....	1926	1200	47	45.03	41.60	92.35
	Grade 2.....	Doris Cleary.....	Salem Normal.....	1927	1100	33	32.27	30.14	93.38
	Grade 3.....	Helen Laing.....	Lesley Normal.....	1926	1500	33	31.90	30.23	94.80
Prospect St. ....	Prin., Grade 2 .....	Ada E. Dow.....	*Lowell Normal, Emerson .....	1909	1700	15	14.63	13.38	92.01
	Grade 3.....	Velma Herrick.....	Perry Normal.....	1927	1200	28	27.29	25.78	92.68
	Grade 1.....	Jessie Little.....	Bridgewater Normal.....	1926	1200	46	46	40.65	88.36
	Grade 2.....	" "	" "	" "	" "	11	10.39	9.46	91.15
	Grade 4.....	Olive S. Perry.....	*Wheelock.....	1916	1500	35	34.68	31.84	91.81
						42	40.68	38.64	94.98
Chestnut Hill ..	Prin., Grade 1 .....	Irene Richardson .....	*Aroostook St. Normal .....	1928	1500	12	12	11.47	95.58
	Grade 2.....	" "	" "	" "	" "	10	10	9.41	94.15
	Grade 3.....	A. Louise Richardson .....	Lesley Normal.....	1928	1000	5	5	4.73	94.25
	Grade 4.....	" "	" "	" "	" "	11	10.69	10.39	96.90
Opportunity School	Lower.....	Elizabeth Guarnaccia.....	*Salem Normal.....	1926	1700	19	18.61	16.83	90.42
	Upper.....	Dorothy Allard.....	Salem Normal.....	1928	1200	20	16.02	15.12	94.16

\*Have taken additional courses in education and graduate work.

# BUDGET SCHOOL DEPARTMENT, TOWN OF READING, 1928

1929 Estimated  
Appropriation

	Expended 1928	Expended 1927	Expended 1926
GENERAL ACCOUNT: SALARIES			
1. Salaries—Teachers and Supt. ....	\$146,936.05	\$136,060.73	\$123,520.22
2. Janitors .....	15,952.36	11,546.50	9,102.97
3. Other Salaries:			
Attendance Officer .....	500.00	500.00	500.00
Medical Inspector .....	1,000.00	1,000.00	600.00
School Nurse .....	1,900.00	1,780.00	1,700.00
Total Salaries .....	\$166,288.41	\$150,887.23	\$135,423.19
4. Transportation of Pupils .....	5,393.50	5,105.00	3,831.15
5. School Tuition .....	158.57		
6. Books .....	4,854.28	5,319.72	4,278.96
7. Supplies for Pupils .....	6,191.17	7,009.86	4,157.77
8. Apparatus for Teaching .....	2,909.06	681.22	1,980.03
9. General Expense:			
Printing and Advertising .....	348.61	601.87	275.00
Office Supplies .....	614.95	571.03	561.42
Telephones .....	761.71	774.46	762.79
Graduation .....	245.55	151.08	185.20
Supt.'s Expense .....	42.50		102.00
Lectures, Public Meetings .....	3.00	11.00	49.75
Insurance .....	32.24	65.05	46.07
Supervisor's Expense .....	380.86	173.64	402.53
	\$ 2,429.42	\$ 2,348.13	\$ 2,384.76



\$ 8,000.00	10. Fuel .....	\$ 7,722.28	\$ 8,200.31	\$ 5,267.30
3,500.00	11. Building Maintenance .....			
2,500.00	Gas and Electricity .....	3,258.19	1,881.91	951.83
600.00	Water and Sewer .....	2,265.55	1,352.90	1,776.60
2,600.00	Trucking, etc. ....	526.50	613.57	347.64
	Janitors' Supplies .....	2,228.40	1,923.17	1,372.11
17,750.00	12. Repairs .....			\$ 4,448.17
	Buildings .....	6,716.04	6,288.98	14,076.62
	Furniture .....	711.72	532.93	
	Grounds .....	2,326.89	1,332.50	
58,450.00	TOTAL FOR MAINTENANCE .....	\$ 9,754.65	\$ 8,154.41	\$ 14,076.62
	Less Transfer to Agriculture .....	\$ 47,691.57	\$ 42,590.20	\$ 40,424.77
				379.45
	TOTAL EXPENDITURES—General .....	\$213,979.98	\$193,477.43	\$ 40,045.32
	Receipts not from tax levy:			
	State Reimbursement, Chap. 70, G. L. ....	\$ 14,760.00	\$ 13,425.00	\$ 12,605.40
	Tuition, etc. ....	9,289.75	11,599.21	9,386.60
	Due, but not paid .....	4,719.06	823.77	

# BUDGET SCHOOL DEPARTMENT. (Continued)

1929 Estimated

Appropriation

	Expended 1928	Expended 1927	Expended 1926
AGRICULTURAL ACCOUNT:			
\$ 2,800.00	\$ 2,379.34	\$ 2,619.99	\$ 2,833.36
300.00	197.98	313.29	
	56.34	311.22	
		188.78	500.00
Receipts not from tax levy:			
	\$ 3,119.99	\$ 3,119.99	\$ 3,333.36
State Aid to Industrial School	\$ 1,122.82	\$ 1,172.35	\$ 1,614.62
Smith-Hughes' Fund	161.78	197.98	313.29
Tuition	646.73	456.71	668.66
Due, but not paid	186.33	25.58	
800.00			\$ 2,596.57
INDUSTRIAL TUITION			
Tuition paid	\$ 294.75	\$ 338.94	\$ 750.01
Reimbursement from State	136.66	398.58	

**DETAIL OF EXPENDITURES OF SCHOOL DEPARTMENT FOR  
YEAR ENDING DEC. 31, 1928**

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**Transportation:**

Eastern Mass. St. Ry. Co. ....	\$	37.50	
Mason's Bus & Taxi Service .....		5,356.00	
		<hr/>	\$ 5,393.50

**Tuition:**

Middlesex County .....	\$	158.57	
		<hr/>	\$ 158.57

**Books:**

Allyn & Bacon .....	\$	136.65
American Book Co. ....		182.55
D. Appleton & Co. ....		6.54
Edward E. Babb & Co. ....		379.31
Bacon & Vincent .....		1.40
Walter H. Baker Co. ....		2.00
F. J. Barnard & Co., Inc. ....		628.63
C. C. Birchard & Co. ....		7.04
Bobbs Merrill Co. ....		1.48
The Bookshop for Boys and Girls .....		51.55
The Boston Music Co. ....		4.17
A. L. Burt Co. ....		.66
Mentzer Bush & Co. ....		2.50
The Century Co. ....		12.12
M. F. Charles .....		1.00
The Clark Press .....		37.50
The College Blue Book .....		4.28
The Comstock Pub. Co. ....		.90
Oliver Ditson Co. ....		25.07
Dodd, Mead & Co., Inc. ....		1.21
Doubleday, Doran Co. ....		16.43
E. B. Dutton & Co. ....		1.70
Carl Fischer, Inc. ....		1.62
Ginn & Co. ....		426.68
Mason D. Gray .....		9.60
The Gregg Publishing Co. ....		46.56
J. L. Hammett Co. ....		54.86
Harcourt Brace & Co. ....		40.19
Harper Brothers .....		6.47
Harvard University Press .....		4.30
D. C. Heath & Co. ....		173.68
Henry Holt & Co. ....		5.74

Houghton Mifflin Co. ....	108.78
Iroquois Publishing Co. ....	15.92
Journal of Commercial Educ. ....	1.50
Laidlaw Brothers ....	1.03
Laurel Book Co. ....	3.27
Charles E. Lauriat Co. ....	42.95
J. B. Lippincott Co. ....	.57
Little Brown & Co. ....	78.07
Lothrop, Lee & Shepard Co. ....	6.39
Longmans, Green & Co. ....	8.15
Lyons & Carnahan ....	41.61
McIndoo Publishing Co. ....	2.57
The Macmillan Co. ....	224.47
The Manual Arts Press ....	1.28
Charles E. Merrill Co. ....	65.44
The New Republic ....	5.00
Noble & Noble ....	.78
Old Corner Book Store, Inc. ....	107.01
F. A. Owen Pub. Co. ....	32.24
L. C. Page & Co. ....	6.46
Frank M. Phillips, Treas. ....	1.00
Professional & Technical Press ....	3.32
Public School Publishing Co. ....	57.60
G. P. Putnams Sons ....	2.12
Rand McNally & Co. ....	42.78
The Republic Publishing Co. ....	2.00
Rochfort's Book Shop ....	4.50
Harold Rugg ....	293.62
Row, Peterson & Co. ....	43.86
Benj. H. Sanborn ....	6.66
The Science Press ....	5.00
Scott, Foreman & Co. ....	21.46
Charles Scribner's Sons ....	38.62
Silver Burdett & Co. ....	105.98
L. W. Singer Co. ....	16.56
W. Hezelton Smith ....	7.25
Smith & McGance ....	2.70
Frederick A. Stokes Co. ....	1.73
J. B. Taylor ....	43.97
Teachers College ....	16.70
University of Chicago ....	2.50
The University Pub. Co. ....	20.57
D. Van Nostrand Co., Inc. ....	3.00
Frederick Warne & Co. ....	.64
The H. W. Wilson Co. ....	15.10

The John C. Winston Co. ....	211.23
Women's Foundation for Health .....	2.70
World Book Co. ....	853.23
	<hr/>
	\$ 4,854.28

**Supplies for Pupils:**

Adams Co. ....	21.95
American Book Co. ....	26.12
American Classical League .....	2.00
Arlac Stencil Sales Co. ....	17.00
The Art Shop .....	6.52
G. H. Atkinson .....	138.42
W. Bancroft Co. ....	30.95
W. C. Barrett .....	8.45
Barris Lumber Co. ....	21.48
Berry & Withington Co. ....	27.39
Edw. E. Babb & Co. ....	2,564.17
Milton Bradley Co. ....	136.05
James W. Brine Co. ....	2.24
Carter, Rice & Co. ....	58.98
M. F. Charles .....	10.20
The Chemical Rubber Co. ....	101.38
College Entrance Exam. Board .....	12.50
E. B. Currell & Son .....	2.15
Oliver Ditson Co. ....	15.76
Eastman Kodak Stores, Inc. ....	8.69
F. S. Eaton .....	5.22
Esterbrook Steel Pen Mfg. Co. ....	23.47
First National Stores .....	3.83
Carl Fischer, Inc. ....	11.04
Francis Bros. ....	4.38
Gaylord Brothers .....	8.15
J. W. Gillis & Co. ....	.79
The Gregg Writer .....	2.00
Ginn & Co. ....	36.11
J. L. Hammett Co. ....	1,979.19
C. S. Hammond & Co. ....	5.00
D. C. Heath & Co. ....	6.67
Herrick Co. ....	43.78
Hodson Brothers .....	34.30
George E. Horrocks .....	.35
Howe & French, Inc. ....	97.69
W. C. Hutchinson .....	58.57
Jordan Marsh Co. ....	10.00
Kenney Service Station .....	5.25
Keramic Studio Publishing Co. ....	6.00



Keystone View Co. ....	7.56
Charles Knapp .....	2.00
Laidlaw Brothers .....	44.47
Loose Leaf Mg. Co. ....	14.50
O. E. Loveland .....	4.90
R. A. Lufkin .....	2.43
H. B. McArdle .....	97.66
Office Appliance Co. ....	25.07
Mun. Light Board .....	5.13
Public School Pub. Co. ....	10.59
Quality Market .....	3.03
George P. Raymond Co. ....	5.25
Reading Cash Market .....	9.08
Reading Citizens Ice Co. ....	1.75
Reading Custom Laundry .....	4.15
Remington Rand Bus. Ser., Inc. ....	70.92
Research Service Co. ....	35.25
Rockport Fish Market .....	2.19
Ryan & Buker .....	86.57
School Arts Magazine .....	6.00
Secondary Educ. Board .....	1.05
Ser. Bureau for Classical Teachers .....	1.47
Smith Hammond & Co. ....	9.90
Samuel Stephens .....	34.25
R. Taylor Milk Co. ....	6.09
The Univ. Pub. Co. ....	17.24
Waldo Bros. & Bond Co. ....	1.60
F. S. Webster Co. ....	48.00
Webster Publishing Co. ....	14.67
Whiting Milk Co. ....	6.38
A. J. Wilkinson & Co. ....	10.47
W. H. Willis .....	8.55
World Book Co. ....	23.41
John C. Winston Co. ....	15.40
<hr/>	
	\$ 6,191.17

#### **Apparatus for Teaching:**

American Type Founders Co. ....	210.13
Edward E. Babb & Co. ....	1.77
The Bookshop for Boys and Girls .....	7.20
Milton Bradley Co. ....	103.85
James W. Brine Co. ....	56.19
G. L. Bylin Co. ....	100.00
Cambridge Botanical Supply Co. ....	70.36
Central Scientific Co. ....	129.15
Denoyer-Geppert Co. ....	329.71

Eastman Kodak Stores, Inc. ....	120.00
Carl Fischer .....	19.20
John E. Fowle Co. ....	2.60
Howe & French, Inc. ....	15.18
Jacobus School Products Co. ....	20.03
Jewell Electrical Instrument Co. ....	14.70
Keystone View Co. ....	40.45
B. L. Makepiece, Inc. ....	45.60
Lewis E. Myers & Co. ....	67.50
Narragansett Machine Co. ....	400.00
J. H. Osgood Co. ....	6.00
Royal Typewriter Co. ....	741.50
Ryan & Buker, Inc. ....	11.25
Spencer Lens Co. ....	42.70
S. R. Stembridge .....	1.25
Samuel Stephens .....	61.44
Underwood Type Co. ....	237.25
A. J. Wilkinson & Co. ....	49.25
J. L. Hammett Co. ....	4.80
	<hr/>
	\$ 2,909.06

**Administrative Expense:**

Ajax Time Stamp Co. ....	\$ 1.00
American Educ. Digest .....	5.00
American Medical Ass'n .....	5.00
American Oil & Gas Co. ....	21.69
American School Board Journal .....	3.00
The Arlac Stencil Co. ....	.40
The Art Shop .....	3.00
G. H. Atkinson Co. ....	.88
Edward E. Babb & Co. ....	1.17
F. J. Barnard & Co. ....	5.00
Harold W. Batchelder .....	1.00
Milton Bradley Co. ....	2.63
Joseph Breck & Sons .....	15.21
College Entrance Exam. Board .....	.60
Cummings Express Company .....	8.45
Louis Davis .....	30.44
Dennison Mfg. Co. ....	.95
Dept. of Public Schools, Providence .....	.48
Dept. of Superintendence .....	30.00
L. W. Dickinson & Son .....	1.20
Edgerley & Bessom .....	2.00
Fred B. Emerson .....	1.10
Francis Brothers .....	.51
J. L. Hammett Co. ....	.38

Harding Typewriting Co. ....	73.00
Mary E. Hilton .....	105.40
Hodson Brothers .....	4.00
John W. Hutchins .....	4.00
Jewell & Andrews .....	48.80
Jordan Marsh Co. ....	26.65
Journal of Education .....	3.00
Kenneys Service Station .....	1.54
Kingman & Richardson .....	1.80
Alex Lindsay .....	17.00
J. B. Lippincott Co. ....	4.07
Loyola Educ. Digest .....	20.40
Ida C. Lucas .....	88.31
H. B. McArdle .....	268.13
E. F. Mahady .....	4.50
A. H. Mingo .....	1.00
Mun. Light Board .....	9.23
Nat'l Child Welfare Ass'n .....	1.00
National Committee for Mental Hygiene	6.00
National Safety Council .....	13.50
New Eng. Ass'n of Col. & Secon. Schs.	2.00
New Eng. Publishing Co. ....	3.00
New Republic Inc. ....	5.00
New Eng. Tel. & Tel. Co. ....	761.71
Marian T. Pratt .....	2.00
Progressive Educ. Ass'n .....	5.50
Public Health Nurse .....	3.00
Public School Publishing Co. ....	10.00
Reading Custom Laundry .....	1.72
Reading Motor Co. ....	35.30
Remington Rand Bus. Ser., Inc. ....	85.66
School Board Journal .....	3.00
School Magazines, Inc. ....	2.00
H. A. Shepard Co. ....	24.27
R. V. Spencer .....	2.00
The Survey .....	11.00
Rudolf Sussmann .....	3.00
Teachers College .....	15.75
Teachers Journal and Abstract .....	4.00
W. E. & J. F. Twombly .....	355.51
Univ. of Chicago .....	6.25
United States Post Office .....	112.85
Univ. Pub. Co. ....	6.56
Wards .....	3.70
Warwick & York, Inc. ....	8.00

Hermion T. Wheeler .....	2.50	
R. H. White .....	2.80	
Margaret Whittier .....	11.95	
World Book Co. ....	64.76	
Wright & Potter Print. Co. ....	8.16	
Yawman & Erbe Mfg. Co. ....	24.05	
	<hr/>	\$ 2,429.42

**Fuel:**

Oliver McCrane .....	\$ 65.75	
Percy N. Sweetser .....	7,641.53	
O. P. Symonds .....	15.00	
	<hr/>	\$ 7,722.28

**Gas and Electricity:**

Malden & Melrose Gas Light Co. ....	\$ 442.78	
Municipal Light Board .....	2,815.41	
	<hr/>	\$ 3,258.19

**Water and Sewer:**

Sewer Dept. ....	\$ 1,265.70	
Water Dept. ....	999.85	
	<hr/>	\$ 2,265.55

**Ashes and Trucking:**

American Railway Express Co. ....	\$ 24.06	
Chase's Auto Express .....	3.05	
Cummings Express .....	183.09	
J. L. Hammett Co. ....	33.05	
P. F. Newhouse .....	.50	
Harry E. Smith .....	200.00	
Zanni & Co. ....	82.75	
	<hr/>	\$ 526.50

**Janitor Supplies:**

Andrews Paper Co. ....	\$ 244.51	
G. H. Atkinson Co. ....	16.18	
Boston Mill Remnants Co. ....	152.20	
James S. Cassedy .....	36.54	
The Cudahy Packing Co. ....	19.50	
H. I. Dallman Co. ....	107.21	
Dustbane Mfg. Co. ....	6.37	
Frank S. Eaton .....	221.85	
Economy Lubricating Co. ....	44.13	
T. C. Fife .....	.55	
Francis Brothers .....	53.81	
Wilbur D. Gilpatric .....	62.82	
L. M. Glover Co. ....	110.98	
G. F. Gurney .....	14.10	

The Norman C. Hayner Co. ....	111.62
Hodson Brothers .....	22.10
Kenney Service Station .....	.75
Mass. States Prison .....	74.91
Masury Young Co. ....	248.78
H. B. McArdle .....	25.00
Midland Chemical Co. ....	145.53
Mun. Light Board .....	4.19
Noxon Chemical Products Co., Inc. ....	12.00
Ira S. Noyes .....	20.75
A. P. W. Paper Co. ....	54.09
Proctor & Gamble Dist. Co. ....	29.40
Reformatory For Women .....	40.70
J. Fred Richardson .....	3.63
Sherwin-Williams Co. ....	8.65
Solitaire & Furmato Co. ....	1.80
Fred F. Smith .....	22.31
Spencer Co. of Boston .....	33.08
Stone & Forsyth Co. ....	122.95
S. R. Stembridge Co. ....	13.75
The Swan Co. ....	41.65
The Tropical Paint & Oil Co. ....	17.57
Webster Thomas Co. ....	34.13
A. J. Wilkinson & Co. ....	25.36
G. H. Worcester Co. ....	22.95
	<hr/>
	\$ 2,228.40

**Repairs:**

Allen Shade Holder Co. ....	\$ 243.00
American Flag Pole Co., Inc. ....	25.00
American Radiator Co. ....	3.42
Wendell Bancroft & Co. ....	75.18
Bangs Fixture Co. ....	75.00
W. C. Barrett .....	136.80
J. C. Birchall .....	3.25
Board of Public Works .....	52.43
Braman Dow & Co. ....	10.42
Bronze Lighting Equipment Co. ....	7.50
Edward M. Burnham Co. ....	161.70
W. A. Burns .....	34.30
Clapp & Leach, Inc. ....	252.83
E. B. Currell & Son .....	63.35
Dudley Lock Corp. ....	192.00
F. S. Eaton .....	41.81
T. C. Fife .....	966.95
Francis Brothers .....	2.84



J. L. Hammett Co. ....	120.37
Hodge Boiler Works ....	1,166.53
Hodson Brothers ....	1,032.53
H. E. Holbrook Co. ....	176.00
Hulse Roofing Co. ....	725.00
The Ideal Song Shop ....	40.50
W. E. Johnson ....	7.85
Jordan March Co. ....	15.21
Kenlit Mfg. Co. ....	34.31
Lambert-Sawyer Co. ....	1.52
B. J. Leathers ....	44.00
E. W. Lowell Co. ....	24.47
George W. Marshall ....	3.00
Merrimack Valley Roofing Co. ....	150.00
Ora L. Milbury ....	8.00
Mun. Light Board ....	207.91
J. A. Murphy ....	16.65
New Eng. Flag Pole & Rigging Co. ....	4.95
Norton Door Closer Co. ....	37.69
Ida Partridge ....	2.50
Pigeon Hollow Spar Co. ....	24.00
Plibrico Jointless Firebrick Co. ....	50.45
The Reading Greenhouses ....	1.50
Reading High A. A. ....	150.80
Anna Reck ....	50.00
Royal Typewriter Co. ....	6.90
Ryan & Buker, Inc. ....	13.75
Dana F. Perkins ....	50.00
J. L. Peters ....	2.00
P. J. Seaman ....	3.85
Fred F. Smith ....	.50
Spencer Co. of Boston ....	34.57
Standard Electric Time Co. ....	17.75
Steele Furniture Co. ....	45.00
A. M. Surrrette ....	436.73
The Swan Co. ....	11.76
Percy N. Sweetser ....	330.37
Triple Metals Corp. ....	159.42
Harry E. Smith ....	2,064.69
Underwood Typewriter Co. ....	5.30
Upton Lumber Co. ....	61.06
Walworth Co. ....	29.08
George E. Waring ....	25.00
George Zanni ....	13.40

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\$ 9,754.65

**Agricultural Account**

American Nature Ass'n .....	\$	3.00	
The Bruce Publishing Co. ....		1.60	
Francis Brothers .....		5.22	
The Goodheart-Willcox Co., Inc. ....		3.99	
Macmillan Co. ....		16.78	
Meredith Publishing Co. ....		1.00	
Reading Greenhouses .....		19.25	
Hermon T. Wheeler .....		3.00	
Reliable Poultry Journal Pub. Co. ....		1.00	
James Salter .....		1.00	
W. H. Willis .....		.50	
	—————	\$	56.34

**Industrial Tuition**

City of Boston .....	\$	151.08	
City of Malden .....		4.16	
City of Somerville .....		139.51	
	—————	\$	294.75

Thirty-fourth Annual Report

OF THE

ELECTRIC LIGHT COMMISSIONERS

For the Year Ended December 31

1928

## OFFICERS OF ELECTRIC LIGHT AND POWER DEPARTMENT

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### Commissioners

HENRY R. JOHNSON, Chairman ..... Term expires 1929  
 HERBERT G. EVANS, Secretary ..... Term expires 1930  
 HARRY P. BAKER ..... Term expires 1931

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### Manager

ARTHUR G. SIAS

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### Office

177 Main Street, Reading, Mass.

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## MANAGER'S REPORT

### To the Municipal Light Board:

Gentlemen:—I respectfully submit herewith my report of the operations of the Municipal Light Plant for the year ending December 31, 1928.

### Electric Operating Revenue

#### Metered Sales to Private Consumers:

Lighting—Residence and Commercial ....	\$ 81,230.21	
Cooking—Residence and Commercial .....	12,828.45	
Residence Service .....	53,250.87	
Commercial Lighting .....	10,512.72	
Commercial Heating—Retail .....	2,238.39	
Commercial Power .....	33,794.22	
		<hr/> \$193,854.86

#### Flat Rate Sales to Private Consumers:

Private Street Lights .....	\$ 418.55	\$ 418.55
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**Municipal Revenues:**

Street Lighting—Reading .....	\$ 13,500.00	
Street Lighting—Lynnfield Centre .....	1,971.28	
Street Lighting—North Reading .....	3,945.42	
Street Lighting—Wilmington .....	7,510.50	
Municipal Lighting—Reading .....	3,638.51	
Municipal Power—Reading .....	3,373.01	
Power Sold to Wakefield .....	71.50	
Power Sold to Lowell Elec. Lt. Corp. ....	46.38	
Power Sold to Lawrence Gas and Elec. Co. ....	82.80	
Power Sold to City of Peabody .....	2.16	
	<hr/>	\$ 34,141.56

**Total Revenue from Sales of Elec. Energy** \$228,414.97

**Rent from Property Used in Operation:**

Rental of Pole Lines .....	443.65
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**Total Electric Operating Revenues** \$228,858.62

**OPERATING EXPENSES—ELECTRIC****Production****Operation:**

Superintendence and Labor .....	\$ 105.00	
Water for Steam .....	74.95	
Lubricants .....	73.36	
Station Supplies and Expenses .....	2,087.27	
	<hr/>	\$ 2,340.58

**Maintenance:**

Maintenance of Station Structures .....	\$ 695.21	
Maintenance of Boiler Plant Equipment ....	756.97	
Maintenance of Steam Engines .....	1.53	
Maintenance Elec. Gen. Equipment .....	48.15	
Maintenance Turbo Gen. Units .....	991.47	
Maintenance Accessory Elec. Equipment ..	23.47	
Electric Energy Purchased .....	62,552.84	
	<hr/>	\$ 65,069.64

**Total Production Expenses** \$ 67,410.22

**Transmission, Distribution and Storage****Operation:**

Trans. Sta. and Sub-Sta., Supt. and Labor .	\$ 8,684.51	
Trans. Sta. and Sub-Sta., Sup. and Exp. ..	6,601.36	
Operation Transmission and Distribution Lines .....	21,469.19	



Transmission and Dist. Sup. and Exp. ....	292.14	
Inspecting and Testing Meters .....	1,481.45	
Removing and Resetting Meters .....	1,643.37	
Removing and Resetting Transformers ....	577.52	
		<hr/>
		\$ 40,749.54

**Maintenance:**

Maintenance of Transmission and Distribu- tion Lines .....	\$ 13,626.70	
Maintenance of Consumers' Meters .....	213.34	
Maintenance of Transformers .....	581.73	
Maintenance of Trans. Sta. and Sub-Sta. ..	310.26	
		<hr/>
		\$ 14,732.03

**Total Transmission, Distribution and Storage  
Expense .....**

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\$ 55,481.57

**Utilization****Operation:**

Municipal Street Lamps—Labor .....	\$ 954.76	
Municipal Street Lamps—Supplies and Ex- pense .....	2,027.90	
		<hr/>
		\$ 2,982.66

**Maintenance:**

Maintenance of Municipal Street Lamps ..	\$ 1,786.93	
Maintenance of Consumers' Installations ..	3,110.07	
		<hr/>
		\$ 4,897.00

**Total Utilization Expenses .....** 

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\$ 7,879.66

**Commercial**

Commercial Salaries .....	\$ 8,078.01	
Commercial Supplies and Expense .....	1,767.61	
Total Commercial Expenses .....		<hr/>
		\$ 9,845.62

**New Business**

New Business Salaries .....	\$ 2,562.50	
New Business Supplies and Expense .....	15.67	
Advertising .....	\$ 1,368.39	
Total New Business Expenses .....		<hr/>
		\$ 3,946.56

**General and Miscellaneous**

Salary of Manager .....	\$ 5,200.00	
Salaries of General Office Clerks .....	5,793.09	
Insurance .....	6,133.57	
Stores Expense .....	2,458.84	
Transportation Expenses .....	1,631.30	

Depreciation .....	25,951.68	
Miscellaneous General Expense .....	613.52	
General Office Supplies and Expense .....	1,956.22	
Accidents and Damages .....	62.44	
Maintenance of General Structures .....	13.93	
Inventory Adjustments .....	3,214.85	
General Office Rent .....	410.22	
Total General and Miscellaneous Expenses		\$ 53,439.66

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**Grand Total Operating Expenses** ..... \$198,003.29

### Income Statement for the Year

#### Operating Income:

Operating Revenue .....	\$228,858.62	
Operating Expenses .....	198,003.29	
Operating Revenue .....	<hr/>	\$ 30,855.33
Uncollectable Operating Revenue .....	\$ 2,771.83	
Taxes Assignable to Electric Operations ...	624.09	3,395.92
Net Operating Revenue .....	<hr/>	\$ 27,459.41

#### Non-Operating Income:

Merchandise and Jobbing Revenue .....	\$ 41.37	
Interest Income .....	64.00	
Miscellaneous Non-Operating Income .....	36.25	
Total Non-Operating Income .....	<hr/>	\$ 141.62
Gross Income .....		\$ 27,601.03

#### Deductions from Gross Income:

Interest on Bonds and Notes .....	\$ 4,062.79	
Total Deductions from Gross Income .....		\$ 4,062.79
Income Balance Transferred to Profit and Loss .....		\$ 23,538.24

### Profit and Loss Statement

Balance at Beginning of Fiscal Period .....		\$ 74,310.41
Balance Transferred from Income Account ....		23,538.24
Deductions from Surplus (Bonds \$11,500.00, Notes \$3,300.00 .....	\$ 14,800.00	
Balance carried forward to Surplus .....	83,048.65	
	<hr/>	<hr/>
Totals .....	\$ 97,848.65	\$ 97,848.65

# COMPARATIVE GENERAL BALANCE SHEET

## ASSETS

Balance at beginning of year		Balance at close of year	Net Change
<b>Investments</b>			
\$410,764.36	Plant Investment .....	\$415,679.50	\$ 4,915.14
7,418.82	General Equipment .....	12,371.51	4,952.69
<hr/>			
\$418,183.18	Total Investments .....	\$428,051.01	\$ 9,867.83
<b>Current Assets</b>			
\$ 250.00	Petty Cash Fund .....	\$ 250.00	
289.09	Construction Fund .....		\$ 289.09
1,575.75	Consumers' Deposit Fund .....	2,235.75	660.00
35,428.65	Accounts Receivable .....	35,080.88	347.77
46,890.14	Materials and Supplies .....	52,773.30	5,883.16
<hr/>			
\$ 84,433.63	Total Current Assets .....	\$ 90,339.93	\$ 5,906.30
<b>Prepaid Accounts</b>			
\$ 1,237.74	Insurance Premiums Prepaid ....	\$ 408.73	\$ 829.01
\$503,854.55	Total Assets .....	518,799.67	14,945.12
<b>Liabilities</b>			
30,678.26	Appropriations for Construction	\$ 30,678.26	
<b>Bonds and Notes Payable</b>			
\$ 89,000.00	Bonds .....	\$ 77,500.00	\$ 11,500.00
6,900.00	Notes Payable .....	3,600.00	3,300.00
<hr/>			
\$ 95,900.00	Total Bonds and Notes Payable ...	\$ 81,100.00	\$ 14,800.00
<b>Current Liabilities</b>			
\$ 27,545.26	Accounts Payable .....	\$ 32,732.82	\$ 5,187.56
1,575.75	Consumers' Deposits .....	2,235.75	660.00
9,768.71	Due Town Treasurer (Loan) .....	10,310.24	541.53
<hr/>			
\$ 38,889.72	Total Current Liabilities .....	\$ 45,278.81	\$ 6,389.09
<b>Accrued Liabilities</b>			
\$ 1,076.16	Interest on Bonds and Notes .....	\$ 893.95	\$ 182.21
<b>Appropriated Surplus</b>			
\$263,000.00	Loans Repayment .....	\$277,800.00	\$ 14,800.00
<hr/>			
\$429,544.14	Total Liabilities .....	\$435,751.02	\$ 6,206.88

**Profit and Loss**

\$ 74,310.41	Profit and Loss—Balance .....	\$ 83,048.65	\$ 8,738.24
\$503,854.55	Total Liabilities and Profit and Loss	\$518,799.67	\$ 14,945.12

**PLANT INVESTMENT ACCOUNTS—ELECTRIC**

	Balance Jan. 1, 1928	1928 Additions	1928 Depc.	Balance Dec. 31, 1928
Plant Investment:				
111 Land .....	\$ 2,575.80			\$ 2,575.80
113 Structures .....	37,437.27	185.55	334.45	37,288.37
114 Boiler Plant Equip- ment .....	33,870.87	341.50	3,535.88	30,676.49
115 Prime Movers and Auxil. ....	13,919.44		1,113.56	12,805.88
116 Turbo Generator Units .....	21,706.32		1,736.51	19,969.81
117 Electric Plant — Steam .....	24,300.13	3,963.42	2,261.08	26,002.47
125 Poles, Fixt. and O'Head Cond. ..	183,466.96	16,825.25	12,017.53	188,274.68
128 Consumers' Meters	39,623.21	2,898.07	1,700.85	40,820.43
129 Consumers' Meters Instal. ..	5,571.69	417.00	239.55	5,749.14
130 Line Transformers	35,936.27	4,329.57	2,013.29	38,252.55
131 Line Transformers Instal. ....	3,424.61	1,180.16	230.24	4,374.53
132 Street Lighting Equip. ....	8,502.80	726.30	553.75	8,675.35
133 Consumers' Prem- Equip. ....	428.99		214.99	214.00
Total Plant Investment	\$410,764.36	\$ 30,866.82	\$ 25,951.68	\$415,679.50
General Equipment:				
Office Equipment ...	\$ 3,057.00	\$ 4,059.36		\$ 7,116.36
Stores Equipment ...	564.27			564.27
Transportation Equip.	2,700.00	2,300.00	\$ 1,500.00	3,500.00
Laboratory Equip. ..	1,097.55	93.33		1,190.88
Total Gen. Equip. ...	\$ 7,418.82	\$ 6,452.69	\$ 1,500.00	\$ 12,371.51
Total Value of all Property .....	\$418,183.18	\$ 37,319.51	\$ 27,451.68	\$428,051.01

**TOTAL COST OF PLANT****as of December 31, 1928**

Cost of Land .....	\$ 2,575.80	
Cost of Structures .....	44,252.47	
	<hr/>	\$ 46,828.27
Generating Plant—Steam:		
Cost of Boiler Plant Equipment .....	\$ 69,696.71	
Cost of Prime Movers and Auxiliaries ....	29,013.38	
Cost of Turbo Generator Units .....	46,870.83	
Cost of Electric Plant—Steam .....	44,514.29	
	<hr/>	\$190,095.21
Transmission, Distribution and Storage:		
Cost of Poles, Fixtures and Overhead Con. ....	\$288,506.29	
Cost of Consumers' Meters .....	59,370.75	
Cost of Consumers' Meters Installation ....	8,127.56	
Cost of Line Transformers .....	57,486.58	
Cost of Transformers Installation .....	6,587.06	
	<hr/>	\$420,078.24
Utilization Equipment:		
Cost of Street Lighting Equipment .....	\$ 24,804.03	
Cost of Consumers' Premises Equipment ..	428.99	
	<hr/>	\$ 25,233.02
Total Cost of Electric Plant as shown by the books .....		\$682,234.74

**CASH BALANCES AT CLOSE OF YEAR**

Petty Cash Loan for Treasurer .....	\$ 250.00
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**DEPRECIATION FUND ACCOUNT****DEBITS**

Balance of account at beginning of year .....	
Amount transferred from income .....	\$ 25,951.68
	<hr/>
Total .....	\$ 25,951.68

**CREDITS**

Amount expended for construction purposes ..	\$ 25,951.68
Balance on hand at close of year .....	

**MATERIALS AND SUPPLIES**

Coal .....	\$ 1,575.16
Oil .....	82.29
Electrical Appliances .....	14,411.49
Miscellaneous Materials and Supplies .....	36,704.36
	<hr/>
Total .....	\$ 52,773.30



### CONSTRUCTION FUND DEBITS

Balance at beginning of year .....	\$ 289.08
Transferred from Depreciation Fund .....	25,951.68
Construction sold during year .....	5,324.38
Transferred from Operating Fund .....	2,566.23
	<hr/>
Total .....	\$ 34,131.37
<b>CREDITS</b>	
Amount expended for Additions and Extensions	\$ 34,131.37
Balance at close of year	

### OPERATION FUND DEBITS

Balance at beginning of year .....	\$ 9,518.71
Received from sale of electricity .....	228,414.97
Received from appropriations for St. Lights ..	13,500.00
Received from Miscellaneous Items .....	27,456.40
	<hr/>
Total Debits .....	\$259,852.66
<b>CREDITS</b>	
Expenditures for Operating Accounts .....	\$202,411.72
Bonds Paid .....	11,500.00
Notes Paid .....	3,300.00
Interest Paid .....	4,062.79
Amount Transferred to Depreciation Fund ....	25,951.68
Amount Transferred to Construction Fund ....	2,566.23
	<hr/>
Total Credits .....	\$249,792.42
Balance due Treasurer .....	10,060.24
	<hr/>
	\$259,852.66

The maximum load at the power station was 1600 kilowatts. This load was indicated on four days in December, the twentieth, twenty-first, twenty-fourth and thirty-first.

The maximum indicated load in 1927 was 1590 kilowatts, but as this included 62 kilowatts of station power which was not used this year, the actual increase over last year was 72 kilowatts, or approximately five per cent.

The kilowatt hours delivered on the switchboard at the power station show an increase of about six per cent, and kilowatt hours sold about 8.6 per cent over 1927.

The kilowatt hours sold for power fell off about 37½ per cent, due principally to the loss of power business at the Reading Rubber Manufacturing Company's Plant.

The following table shows the kilowatt hour data for 1927 and 1928:

**K. W. HOURS PURCHASED AND SOLD**  
**During the year ending December 31, 1928**

			Increase or Decrease
K. W. H. Generated and Purchased	1928	1927	
Generated .....		406,693	<b>406,693</b>
Purchased .....	5,097,768	4,396,397	701,371
Totals .....	5,097,768	4,803,090	294,678
K. W. H. Sold			
Lighting Res. and Com. ....	1,008,625	1,437,231	<b>428,606</b>
Cooking Res. and Com. ....	448,253	815,932	<b>367,679</b>
Residence Lighting .....	1,067,096	163,140	903,956
Commercial Lighting .....	155,221		155,221
Commercial Heating, Ret. ....	61,513		61,513
Commercial Power, Ret. ....	892,453	1,025,772	<b>133,319</b>
Municipal Light .....	62,459	50,032	12,427
Municipal Power .....	111,809	90,557	21,252
Street Lighting .....	343,763	349,292	<b>5,529</b>
Police Spot Lights .....	1,030	5,950	<b>4,920</b>
Sub-Total .....	4,152,222	3,937,906	214,316
K. W. H. used at Station Garage and Storeroom .....	25,625	54,439	<b>28,814</b>
K. W. H. used for Christmas Illumination .....	5,880	3,810	2,070
K. W. H. Unaccounted for .....	914,041	806,935	107,106
Totals .....	5,097,768	4,803,090	294,678
% Unaccounted .....	17.9	16.8	1.1
K. W. H. Sold in each town:			
Reading .....	2,924,278	2,930,320	<b>6,042</b>
Lynnfield Centre .....	166,671	143,650	23,021
North Reading .....	402,699	333,093	69,606
Wilmington .....	655,264	528,100	127,164
Other Districts .....	3,310	2,743	567
Totals .....	4,152,222	3,937,906	214,316

The average cost per kilowatt hour purchased at the switchboard was 1.227 cents.

The average total production cost, including sub-station labor, repairs, maintenance and station expenses, was 1.622 cents, which is the lowest average cost we have ever shown.

The average total cost per kilowatt hour sold and delivered to street lights was 5.305 cents, as compared with 5.1 cents the previous year and 5.77 cents in 1926.

The classification of costs for 1928 is shown below:

Production .....	1.623 cents
Distribution .....	1.336 cents
Utilization .....	0.189 cents
Commercial .....	0.237 cents
New Business .....	0.095 cents
General and Miscellaneous .....	1.371 cents
Bonds, Notes and Interest .....	0.454 cents

Total Costs ..... 5.305 cents

The income from sales of current was \$228,414.97, an increase of \$7,071.25 over the previous year. The decrease in power sales reduced our income from this class of service \$3,486.59. The reduction in the rates for commercial lighting and residence service effected a loss in income of about \$6,600.00

The cost to the Department for the Street Lighting was \$13,752.55 and the appropriation was \$13,500.00.

The following table shows the classification of income for 1927 and 1928:

#### Income from Sales of Current

	1928	1927	Increase or Decrease
Lighting—Res. and Com. ....	\$ 81,230.21	\$120,889.07	<b>\$ 39,658.86</b>
Cooking—Res. and Com. ....	12,828.45	23,793.22	<b>10,964.77</b>
Residence Lighting .....	53,453.71	5,851.70	47,602.01
Commercial Lighting .....	10,931.27		10,931.27
Commercial Heating—Retail .....	2,238.39		2,238.39
Commercial Power .....	33,794.22	38,334.35	<b>4,540.13</b>
Municipal Lighting .....	3,638.51	2,585.75	1,052.76
Municipal Power .....	3,373.01	2,373.58	999.43
Street Lighting .....	26,927.20	27,516.05	<b>588.85</b>

Totals .....	\$228,414.97	\$221,343.72	\$ 7,071.25
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#### Income from Each Town

Reading .....	\$144,165.94	\$144,539.08	\$ <b>373.14</b>
Lynnfield Centre .....	12,303.32	11,543.45	759.87
North Reading .....	26,050.83	23,345.92	2,704.91
Wilmington .....	45,692.04	41,766.54	3,925.50
Other Districts .....	202.84	148.73	54.11

Totals .....	\$228,414.97	\$221,343.72	\$ 7,071.25
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Operating expenses have increased materially over the previous year, principally on account of re-building the pole lines and additional expenses in connection with moving our office quarters and equipping the new office building.

Accounts Receivable December 31 were \$35,080.88 and Accounts Payable \$32,732.82.

Inventory of supplies on hand shows an increase of \$5,883.16 over last year.

Bills paid by the Treasurer in advance of collections amounted to \$10,060.24.

\$11,500.00 in Bonds and \$3,300.00 in Notes were paid during the year. No additional bonded indebtedness has been incurred.

Additions and Extensions to the Plant during 1928 amounting to \$29,402.39 have been paid for from income.

The increase in Profit and Loss Surplus December 31 was \$8,738.24.

We have installed 319 new services during the year.

The following table shows the classification of customers on our books December 31st.

	Res. Ltng.	Com. Ltng.	Com. Htng.	Com. Pr.	Pri. St. Lts.	Totals
Reading	2,462	274	39	75	18	2,868
North Reading	597	56	17	16	1	687
Lynnfield Centre	347	14	2	7	6	376
Wilmington	1,031	103	20	25	4	1,183
Totals	4,437	447	78	123	29	5,114

Thirty new street lights have been installed as follows: Reading, 22. North Reading, 3. Wilmington, 4. Lynnfield Centre, 1.

The street lights have been burned the following hours: Reading 3,972. North Reading and Lynnfield Centre 1,927. Wilmington 2,098.

The number of each size of street lamps renewed during the year is shown below:

	40 c.p.	60 c.p.	100 c.p.	250 c.p.	600 c.p.	1000 c.p.	T
Reading	13	775	21	119	55	6	989
Lynnfield Centre	127						127
North Reading	479						479
Wilmington	941	1			7		949
Totals	1,560	776	21	119	62	6	2,544

## LAMP AND APPLIANCE DEPARTMENT

## Appliances Sold in 1928

Air Heaters .....	25
Auto Heaters .....	2
Battery Chargers .....	3
Christmas Candle Sets .....	58
Christmas Tree Sets .....	104
Corn Poppers .....	18
Curling Irons .....	15
Drink Mixer .....	1
Egg Cookers .....	19
Electric Beaters .....	2
Fans .....	20
Fireless Cookers .....	2
Flat Irons .....	123
Hair Dryers .....	2
Heating Pads .....	35
Hot Plates .....	19
Humidifiers .....	1
Ice Cream Freezers .....	1
Ironers .....	1
Kelvinators .....	54
Kitchen Units .....	4
Motors .....	22
Percolators .....	27
Portable Lamps .....	49
Ranges .....	14
Socold Refrigerating Unit .....	1
Soldering Irons .....	2
Telechron Clocks .....	5
Toasters .....	93
Vacuum Cleaners .....	31
Vibrators .....	2
Waffle Irons .....	41
Water Heaters .....	13
Water Pumps .....	12
Washing Machines .....	16

The Estimated Annual Revenue from the above appliances is \$4,200.00.

## Power Station

The generating machinery at the power station has not been called upon during the year to carry any part of the load.

The repairs to the 500 K. W. turbine which were started last year, have been completed. The old boiler feed pump has been replaced with a new one and minor repairs have been made to the boiler furnaces. The



generating equipment is now in first class operating condition and is capable of carrying 1,400 K. W. load.

Two additional voltage regulators have been installed during the year, and plans have been made to install four more during the coming year.

### Street Lights

The General Electric street light regulators installed during the latter part of 1927 have operated more economically than the old style regulators which they replaced. Although we added 22 new street lights during the past year, the number of kilowatt hours delivered to the circuits was about one per cent less than in 1927.

### Distribution Lines

Extensive repairs have been made to the pole and wire lines during the year. 501 poles have been set, and 195,104 feet of wire installed. Negotiations are under way with the New England Telephone and Telegraph Company to rebuild the pole lines jointly on several streets during the coming year and eliminate duplicate pole lines. The power lines have been extended to the State Sanatorium in North Reading to provide service for approximately 100 horse power in motors.

The power lines in Wilmington have been extended to the new pumping station of the Wilmington Water Works, and the North Wilmington section has been connected to the new line, relieving to some extent the overloaded conditions at Wilmington Center.

Plans have been made and material purchased to increase the feeders on this line between the power station and the junction of Lowell and West Streets in order to overcome voltage drop and reduce line losses.

Additional transformer capacity to supply service for about 100 horse power has been installed at the plant of the Wilmington Packing Company on Eames Street.

The Reading Rubber Manufacturing Company and Sanford Mills have added about 200 horse power load to our lines and I understand that about 300 additional horse power will be installed during the coming year. The Boston Stove Foundry are considering the installation of about 100 K. W. additional load at their John Street foundry.

### Christmas Decorations

Continuing the custom of the two previous years, the Department installed lines of colored lights on Main, Haven, Harnden and Ash Streets. The small park between Main and Ash Streets was decorated and about 100 small trees attached to poles located on several streets near the Square were lighted with out-door Christmas tree sets. Two large trees on the Common and one at Ernest Leach Park were lighted and a group of smaller trees on the grass plot on West Street at County Road were decorated with out-door Christmas tree sets.

In all, approximately 3,600 lamps were lighted from December 15th, through New Year's day.

The cost to the Department for labor, current and materials used was as follows:

Labor and truck, installing and removing .....	\$584.44
100 trees .....	30.00
186 lamps renewed .....	40.92
5,880 kilowatt hours at 2.7 cents .....	158.76
<hr/>	
Total .....	\$814.12

The prizes offered by the Reading Board of Trade for home decorations were in a large measure responsible for the increased illumination of homes and stores.

Reading, at Christmas time, was again the Town which I believe was not excelled by any other Town or City near us in its electrical illuminations.

#### New Office and Salesroom

In accordance with the vote of the Town, we have negotiated an agreement for ten years, with Martin B. Hartshorn, covering a lease of the building and land at 177 Main Street which we took possession of on September 1st. The building is of cement block construction, with brick front and tar and gravel roof. It is 36 feet wide and 80 feet deep with a basement under the entire structure. Three large show windows permit an attractive display of electrical appliances. A room in the front is used for a salesroom and the display of lamps and appliances. The main office is on the South Side of the building. On the North side are the offices for the sales department, and Manager, and in the rear is the meter room and service department.

In the Northeast corner of the basement is a fire proof storage vault constructed in accordance with state requirements in which the records of the Department are stored. A room in one corner of the basement is being fitted for the demonstration of ranges and other appliances. The balance of the basement area is used for the receiving and shipping room, repair department and storage of supplies. A large space in the rear of the building affords ample opportunity for parking and avoids congestion on the street.

Under the terms of our agreement, we are to pay the owner an amount equal to 6 per cent per annum on the cost of the building and land, and in addition to pay the cost of taxes, insurance and repairs. The following is the estimated annual cost to the Department:

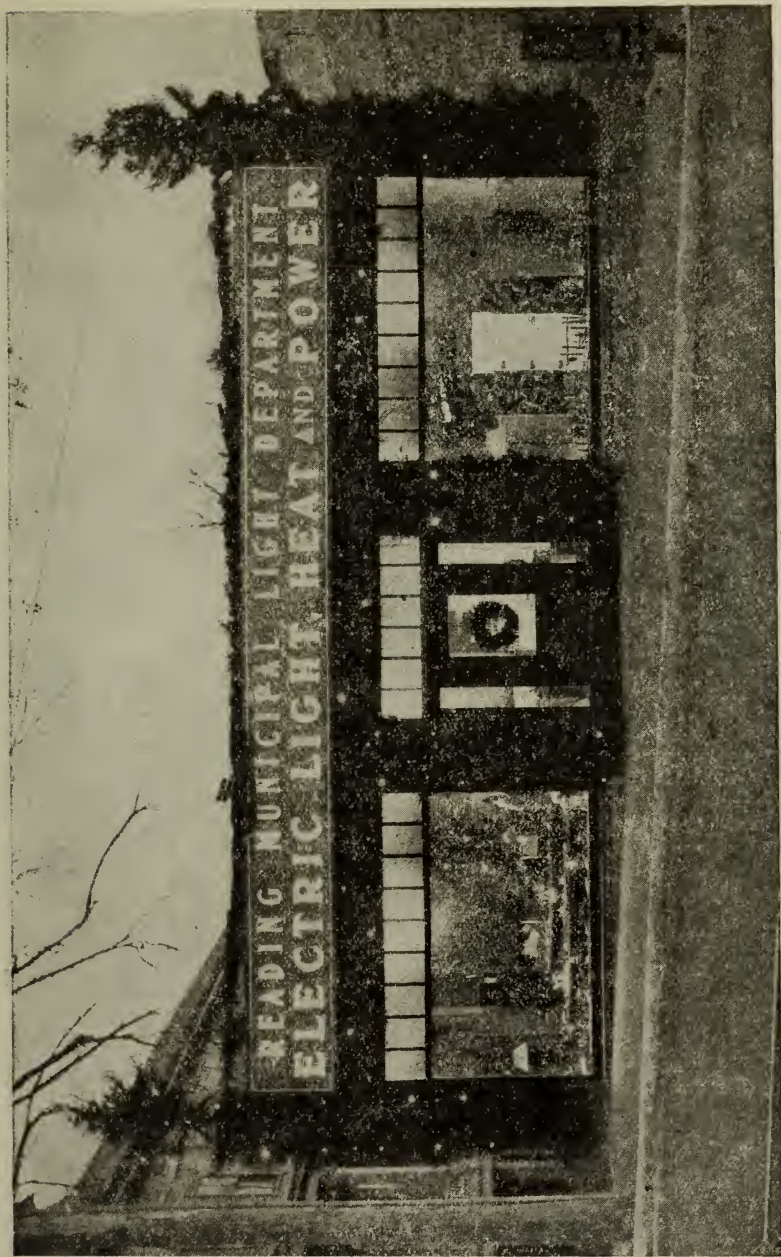
Cost of land .....	\$ 4,521.40
Cost of Building .....	12,976.97
<hr/>	
Total .....	\$17,498.37

6 $\frac{1}{2}$ % on this amount is .....	1,049.90
Taxes (estimated) .....	450.00
Insurance .....	61.10
Repairs (estimated) .....	100.00

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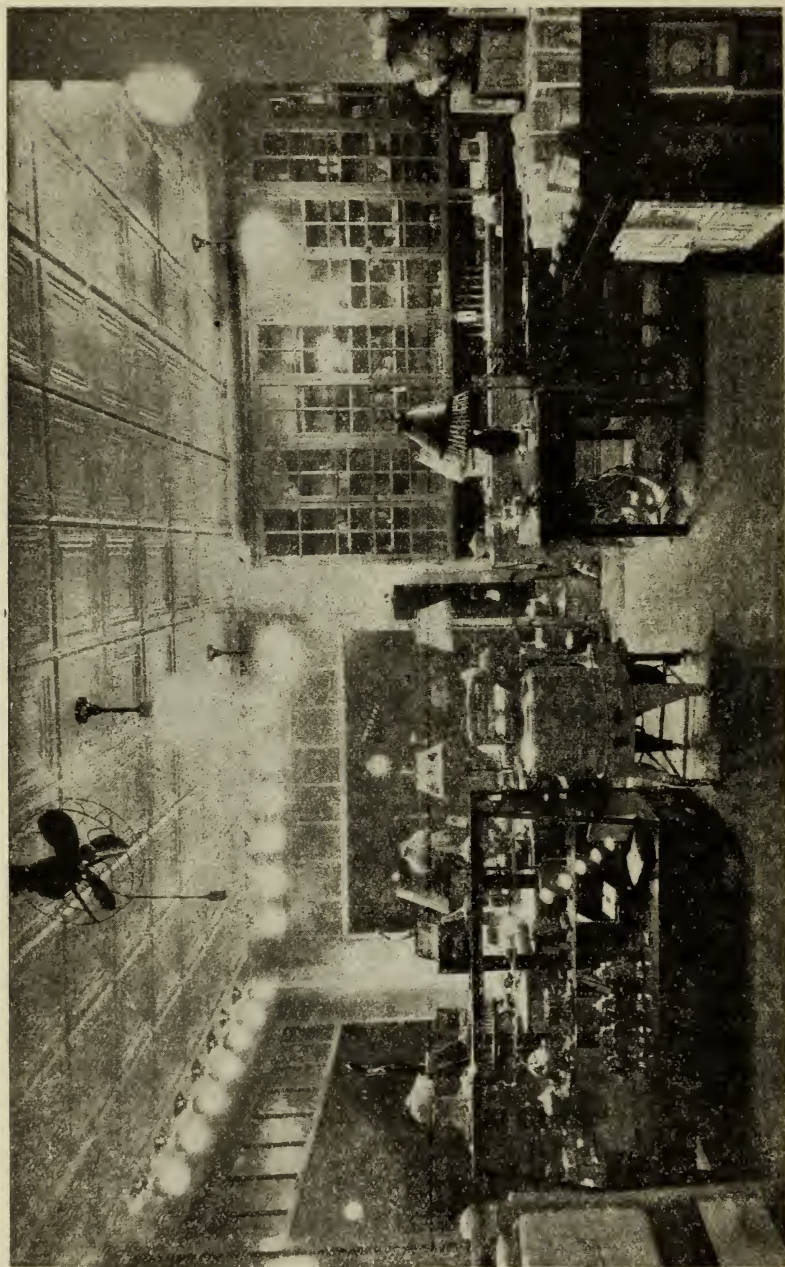
Total .....	\$ 1,661.00
or an average monthly rental of .....	\$ 138.42

The cost of fitting up the new quarters was \$1,164.98 and the cost of moving \$454.27.



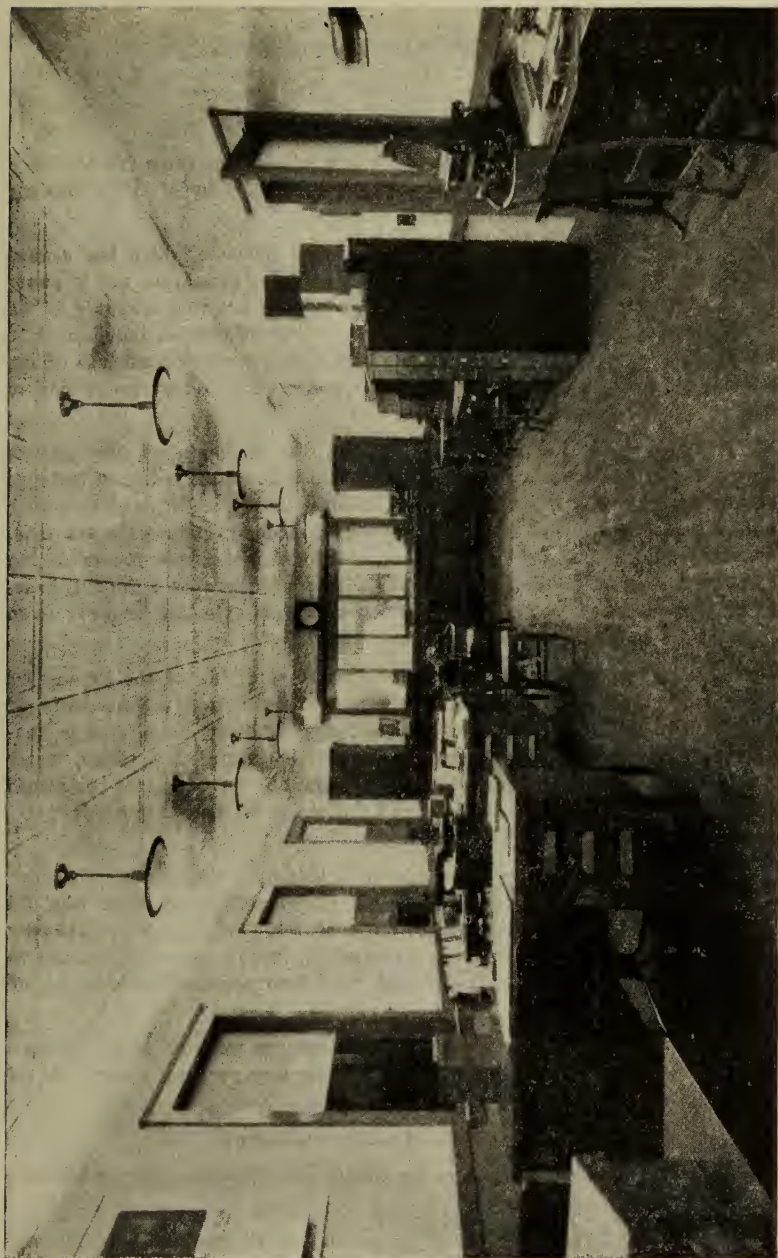
New Headquarters





New Salesroom





New Business Office

## THE NEW RATES FOR RESIDENCE SERVICE

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On September first we adopted a new schedule of rates for residence service, which is not unusual in form but is decidedly novel in its working or in its effect on the customer's bill.

The new schedule replaced the flat rate schedule which has always been used here, under which the consumer paid the same rate per kilowatt hours irrespective of the quantity consumed. The flat rate schedule of 7.2 cents net per kilowatt hour for residence service, offered no inducement to the consumer to make additional use of his lighting, or to make use of the various household appliances, as the cost increased in direct proportion to the amount of current used.

There has been for years a special rate of 2.7 cents net per kilowatt hour for current used for cooking, heating and refrigeration but in order to secure this rate it was necessary for the consumer to install special wiring and purchase and install certain appliances in order to obtain the low rate. It also required the installation of an additional meter, and the rendering of two monthly bills. Even then it was not possible to obtain the full benefit of the special rate unless the special wiring was extended to every room in the house, as well as the garage.

A few years ago, in order to relieve the consumer of the expense of installing duplicate wiring and eliminate one meter and the necessity of keeping two sets of accounts with a residence customer, we offered a combination residence rate to those customers who installed a range, water heater or refrigerator. Under this rate the first 25 kilowatt hours per month cost 7.2 cents net per kilowatt hour and the excess 2.7 cents net per kilowatt hour.

This rate was optional and less than half of the customers who used electric cooking took advantage of it and it did not benefit those who did not have a range, refrigerator or hot water heater. As the rate applied only to a comparatively small number of customers, it was claimed by others to be discriminatory, because it did not take into account the amount of current used.

Under the new schedule, all restrictions are removed and customers are enabled to make full use of the service for any purpose in any part of the premises.

The new rates are simple and easily understood.

The first 25 kilowatt hours per month cost 7.2 cents net per kilowatt hour.

The next 25 kilowatt hours per month cost 4.5 cents net per kilowatt hour.

All current in excess of 50 kilowatt hours per month costs 2.7 cents net per kilowatt hour.

It is doubtful if there is a more favorable rate for residence service anywhere in the State. As an illustration of the benefit of the new rate to the customer, the following comparison of the bills of one customer for four months is interesting:

Month	1927 Old Rate			1928 New Rate		
	K.W.H.	Net Bill	Av. Rate	K.W.H.	Net Bill	Av. Rate
September	51	\$3.67	7.2	63	\$3.28	5.2
October	61	4.39	7.2	111	4.57	4.1
November	68	4.90	7.2	118	4.76	4.0
December	84	6.05	7.2	133	5.17	3.9
Total	264	\$19.01	7.2	425	\$17.78	4.18

Increase in kilowatt hours used 61 per cent

Decrease in net rate 42 per cent

Decrease in amount of bill 6.4 per cent

It thus becomes possible for any residence customer to materially increase his usage of lights or appliances without a corresponding increase in his bills, provided that his present monthly bill is at least \$1.80, net.

My estimate of the expenses of the plant for 1929 and the anticipated revenue, is submitted herewith and is followed by data from the office records:

#### ESTIMATE FOR 1929

##### Expenses

For Operation, Maintenance and Repairs .....	\$174,162.00
For Interest on Bonds and Notes .....	3,575.50
For Depreciation at 4% on cost of Plant .....	27,186.35
For Bond Payments .....	11,500.00
For Note Payments .....	2,300.00
For Taxes .....	2,000.00
For Uncollectible Operating Revenues .....	2,500.00
Total Expenses .....	\$223,223.85

##### Income

From Sales to Private Consumers .....	\$228,301.50
From Sundry Sales .....	500.00
From Tax Levy	
For Municipal Department .....	\$ 5,000.00
For Street Lights .....	13,000.00
Total Income .....	\$246,801.50

Respectfully submitted,

ARTHUR G. SIAS, Manager.

The Manager's report as herewith submitted is approved by the Electric Light Commissioners.

HENRY R. JOHNSON

HERBERT G. EVANS

HARRY P. BAKER

Municipal Light Board.

#### DATA FROM RECORDS OF PLANT

Kilowatt Hours Manufactured .....	None
Kilowatt Hours Purchased .....	5,097,768
Kilowatt Hours for Reading Street Lights .....	259,482
Kilowatt Hours Sold .....	4,152,222
Kilowatt Hours used at station and office .....	25,625
Kilowatt Hours unaccounted for .....	914,041
Coal used—net tons .....	204
Average cost of coal per net ton .....	\$ 6.354
Poles added and renewed .....	501
Feet of Wire added .....	195,104
New Services Installed .....	319
New Street Lamps Installed .....	30

#### Connected Load Dec. 31, 1928

Number of customers .....	5,114
Horse Power in Motors .....	1,723.5
Number of Public Street Lights .....	1,626
Number of Private Street Lights .....	29

#### READING

Number of customers Dec. 31, 1928 .....	2,868
Number of 40 candle power public street lights .....	3
Number of 60 candle power public street lights .....	524
Number of 100 candle power public street lights .....	15
Number of 250 candle power public street lights .....	80
Number of 600 candle power public street lights .....	46
Number of 1000 candle power public street lights .....	4
Number of 60 candle power private street lights .....	14
Number of 100 candle power private street lights .....	3
Number of 250 candle power private street lights .....	1
Horse Power in Motors .....	1,346.3
Income for year .....	\$144,165.94

#### LYNNFIELD CENTRE

Number of customers December 31, 1928 .....	376
Number of 40 candle power public street lights .....	147
Number of 40 candle power private street lights .....	1
Horse power in motors .....	19.1
Income for year .....	\$12,303.32



**NORTH READING**

Number of customers December 31, 1928 .....	687
Number of 40 candle power public street lights .....	290
Number of 40 candle power private street lights .....	6
Horse power in motors .....	160.8
Income for year .....	\$26,050.83

**WILMINGTON**

Number of customers December 31, 1928 .....	1183
Number of 40 candle power public street lights .....	504
Number of 600 candle power public street lights .....	14
Number of 40 candle power private street lights .....	4
Horse power in motors .....	197.3
Income for year .....	\$45,692.04

**COST OF DISTRIBUTION SYSTEM IN OUTSIDE TOWNS****LYNNFIELD CENTRE**

Total Investment December 31, 1928:

Poles, Fixtures & Overhead Cond. ....	\$ 23,448.93	
Consumers' Meters .....	4,179.35	
Line Transformers .....	2,540.25	
Street Lighting Equipment .....	1,565.56	\$ 31,734.09

**NORTH READING**

Total Investment December 31, 1928:

Poles, Fixtures & Overhead Cond. ....	\$ 52,160.90	
Consumers' Meters .....	7,824.43	
Line Transformers .....	6,403.90	
Street Light Equipment .....	2,620.55	\$ 69,009.78

**WILMINGTON**

Total Investment December 31, 1928:

Poles, Fixtures & Overhead Cond. ....	\$ 90,655.81	
Consumers' Meters .....	11,427.67	
Line Transformers .....	8,283.65	
Street Lighting Equipment .....	\$ 4,083.74	\$ 114,450.87
Total Investment—Outside Towns ....		\$ 215,194.74
Income—Outside Towns 1928 .....		\$ 84,249.03



TABLE A

Year	Income from Sale of Electricity	Income from Other Sources	Appropriations from Tax Levy for Street Lights	Appropriations from Tax Levy for Construction	Production Expense	Distribution and Utilization Expense	Miscellaneous Expense	Interest	Depreciation	Bond and Note Payment	Total Cost of Plant December 31
1910	\$25,668.87	\$ 604.88	\$10,000.00	\$ 270.00	\$13,228.57	\$3,271.76	\$4,429.32	\$2,535.75	\$3,556.00	\$4,000.00	135,992.62
1911	31,317.40	410.77	5,800.00	1,000.00	13,066.25	6,353.77	5,753.84	2,767.00	4,079.78	4,500.00	144,714.06
1912	37,171.93	599.07	5,000.00	5,500.00	17,546.87	5,605.41	5,605.18	3,018.21	4,143.80	7,200.00	173,091.96
1913	44,664.70	671.87	6,000.00	5,076.19	20,054.99	10,705.42	10,214.88	3,515.40	4,788.80	6,800.00	202,518.81
1914	49,799.75	791.14	4,500.00	4,132.07	19,014.03	7,784.82	8,697.05	4,453.33	6,051.08	9,000.00	233,509.58
1915	51,603.32	640.25	10,500.00	none	18,292.78	10,329.83	7,730.32	4,640.42	6,972.28	9,500.00	254,349.09
1916	61,900.01	911.69	5,000.00	none	22,261.19	13,986.22	8,316.39	4,704.99	7,597.47	10,800.00	269,898.27
1917	67,593.64	2,422.92	8,750.00	none	30,460.16	14,557.81	11,577.08	5,070.43	8,096.95	11,300.00	285,428.29
1918	78,096.09	1,537.86	11,000.00	none	41,006.13	13,572.51	11,311.54	6,882.24	8,529.85	14,800.00	348,871.08
1919	100,844.10	1,100.11	14,450.00	none	45,006.98	13,864.14	13,874.46	7,416.21	10,419.76	14,800.00	389,564.73
1920	126,152.11	1,094.66	11,000.00	none	56,187.74	17,085.95	17,142.48	7,850.70	15,507.13	18,300.00	421,048.20
1921	135,886.69	219.20	17,500.00	none	52,738.98	24,453.15	16,594.65	7,423.10	16,767.55	19,300.00	449,540.12
1922	155,505.14	451.50	15,300.00	none	55,137.36	22,473.04	38,489.58	6,807.64	17,959.59	16,800.00	477,852.76
1923	166,783.32	464.31	14,800.00	none	62,619.57	20,247.54	15,607.11	6,437.28	19,011.08	15,800.00	505,983.28
1924	177,889.16	1,373.72	12,000.00	none	61,286.63	25,898.28	30,817.91	6,174.57	20,136.30	15,800.00	530,147.28
1925	185,492.72	1,112.19	11,000.00	none	73,140.10	28,272.55	34,188.95	5,482.46	21,102.86	13,800.00	568,524.09
1926	201,956.03	467.05	12,000.00	none	88,478.94	29,349.46	31,167.10	5,100.14	22,637.93	12,800.00	615,915.35
1927	221,343.72	599.88	13,500.00	none	67,661.31	50,863.76	34,551.95	4,763.62	24,533.58	15,800.00	651,367.92
1928	228,414.97	585.27	13,500.00	none	67,410.22	55,481.57	44,676.08	4,062.79	25,951.68	14,800.00	682,234.74

TABLE B

Year	K. W. H. Generated	K. W. H. Purchased	K. W. H. Sold	K. W. H. Delivered to Read'g St. Lights	K. W. H. Used to Stat'n Stock R'm & Appliance R'm	K. W. H. Unaccount for	Net Tons of Coal Used	Average Cost of Coal Per Ton	Number of Customers	Number of Street Lights	Horse Power in Motors
1910	698,597		300,861	227,100	16,269	154,367	1,748.3	3,461	738	269	116 1-2
1911	771,011		367,317	244,055	15,403	144,236	1,807.6	3,341	888	382	215
1912	919,282		481,801	242,033	13,307	182,141	2,247.8	3,741	1,078	698	242 1-4
1913	1,045,592		599,893	255,744	15,283	174,672	2,680	3,941	1,263	903	272
1914	986,476		578,709	187,590	15,283	204,894	2,496.4	3,666	1,390	993	313 7-10
1915	980,688		548,607	156,505	10,403	265,173	2,298.2	3,578	1,599	1,181	381
1916	1,231,677		751,735	170,810	13,916	295,216	2,741.7	3,934	1,805	1,225	441
1917	1,291,216		812,507	165,535	12,464	297,710	3,086.7	6,348	1,964	1,295	492
1918	1,318,546		976,121	125,820	10,573	206,032	3,348.8	7,875	2,083	1,303	672
1919	2,056,834		1,358,028	172,948	189,067	336,791	3,640	7,517	2,333	1,339	886
1920	2,297,237		1,444,960	175,704	257,999	418,574	3,615	10,352	2,617	1,363	812.5
1921	2,193,092		1,471,698	178,892	146,206	396,296	3,308.4	10,171	2,939	1,473	1,120.5
1922	2,609,076		1,583,716	183,250	276,477	565,633	3,791.5	9,00	3,234	1,481	1,197.5
1923	3,039,677	3,520	2,046,848	183,935	342,189	470,225	4,577.7	8,94	3,666	1,494	1,367.5
1924	3,572,588		2,463,602	209,738	392,281	506,967	3,379.5	6,503	4,058	1,537	1,281.8
1925	4,051,182	25,495	2,848,309	241,476	383,152	578,245	6,317.7	6,358	4,472	1,572	1,395.2
1926	3,600,580	819,787	3,071,944	249,386	366,352	732,685	5,740.2	6,488	4,786	1,602	1,429
1927	406,693	4,396,397	3,676,545	261,361	58,249	806,935	947	6,609	5,017	1,635	1,630.9
1928	None	5,097,768	3,898,620	259,482	25,625	914,041	204	6,354	5,085	1,655	1,723.5

TABLE C

Production Costs Per K. W. H. Based on Total K. W. H. Delivered  
at Switchboard

K. W. H. Year Purchased	Fuel	Labor	Repairs and other Station Expense	Total Costs
1910	.0086	.0075	.0026	.0187
1911	.0078	.0069	.0021	.0168
1912	.0091	.0071	.0027	.0189
1913	.0101	.0070	.0020	.0191
1914	.0092	.0082	.0017	.0191
1915	.0085	.0087	.0013	.0185
1916	.0087	.0071	.0022	.0180
1917	.0144	.0075	.0015	.0234
1918	.0200	.0085	.0025	.0310
1919	.0133	.0066	.0019	.0218
1920	.0162	.0071	.0009	.0242
1921	.0153	.0077	.0009	.0240
1922	.0131	.0066	.0014	.0211
1923	.0134	.0057	.0014	.0205
1924	.00979	.0055	.00166	.01695
1925	.00991	.0054	.00272	.01803
1926 .0285	.01034	.0056	.00212	.0200
1927 .01116	.01205	.00246	.00390	.01743
1928 .01227	None	.00170	.00225	.01622

TABLE D

Average Cost Per K. W. H. As Defined by Chapter 164, General Laws

1	1912	1913	1914	1915	1916	1917	1918	1919	1920
Operating Costs:	.0397	.0483	.0362	.0586	.0467	.0577	.0538	.0509	.0558
Fixed Costs:	.0198	.0176	.0254	.0299	.0261	.0249	.0274	.0213	.0259
Total Costs:	.0595	.0659	.0616	.0885	.0728	.0826	.0812	.0722	.0817
	1921	1922	1923	1924	1925	1926	1927	1928	
Operating Costs	.0640	.0561	.0494	.0377	.0442	.0448	.0395	.0414	
Fixed Costs:	.0330	.0278	.0185	.0138	.0131	.0129	.0115	.0116	
Total Costs:	.0970	.0839	.0679	.0515	.0573	.0577	.0510	.0530	

#### ACCOUNTS PAYABLE—December 31, 1928

American Ironing Machine Co. ....	\$ 230.95
American Railway Express Co. ....	10.24
Addressograph Co. ....	17.25
Abbott, H. L. ....	2.00
Ansonia Electrical Co. ....	1,216.49

Buckminster, Geo. H. Co. ....	2,026.15
Bowen, C. ....	1.75
Boston & Maine R. R. ....	15.86
Bennett, Van I. ....	46.95
Bailey, J. Brinton ....	72.36
Burke, Frank ....	102.65
Cummings Express Co. ....	42.98
Clapp & Leach, Inc. ....	30.19
Century Electric Co. ....	4.66
Conover Co. ....	83.70
Charles, M. F. ....	22.25
Central Garage ....	7.82
Currell, E. B. & Son ....	20.22
Dyer Clark Co. ....	201.90
Dayton, Paul W. ....	105.75
Dustbane Mfg. Co. ....	8.32
Dickinson, O. L. ....	8.00
Dickinson, L. W. & Sons ....	18.00
Davis Transformer Company ....	74.80
Davis, Louis ....	9.47
Davis, Geo. W. Co. ....	7.75
Electric Time Co. ....	9.84
Electric Specialty Co. ....	.75
Edison Electric Co. ....	13,128.20
Eureka Vacuum Cleaner Co. ....	3.13
Eaton, Frank S. ....	5.40
Eames, Ernest W. ....	40.00
Franchur, Inc. ....	11.75
Fife, T. C. Inc. ....	3.80
Federal Engraving Co. ....	4.58
Francis Bros. ....	48.07
Graybar Electric Co., Inc. ....	715.19
Goodheart Co., The ....	270.05
General Electric Co. ....	2,811.04
Gulf Refining Co. ....	119.36
Gillis, J. W. & Co. ....	3.13
General Motors Truck Co. ....	1.75
General Electric Supply Corp. ....	419.24
Granite State Electric Supply Co. ....	202.50
Geier, P. A. Co. ....	506.25
Hynes & Cox, Electric Corp. ....	218.20
Hygrade Lamp Co. ....	312.70
Hartshorn, Martin B. ....	814.44
Hoover Co., The ....	147.96
Harnden, E. E. ....	42.84
Hardy, F. S. & Co. ....	27.90

Ide, Geo. W. S. ....	25.00	
John St. Garage .....	.75	
Johnson, C. C. ....	1.50	
Jefferson Glass Co. ....	18.25	
Joslin Show Case Co. ....	110.00	
Kelvinator Sales Corporation .....	437.07	
Kenney Service Station .....	125.65	
Lowell Electric Light Corp. ....	12.66	
Lindsay, Alex .....	2.50	
Landers, Frary & Clark .....	51.72	
Linscott Motor Co. ....	5.45	
Lewis Electrical Supply Co. ....	92.13	
Lightolier Co. ....	41.70	
Laffin, D. M. ....	12.50	
Martell, A. E. Co., Inc. ....	59.46	
Marshall, George W. ....	2.45	
Mass. Dept. of Public Works .....	273.92	
Mass. Reformatory .....	200.42	
M. P. A. Associates of Boston .....	24.00	
N. E. Tel. & Tel. Co. ....	116.95	
National Lamp Works .....	652.46	
Prentiss & Parker .....	960.41	
Reading, Town of, Sewer Dept. ....	8.40	
Robbins-Phalon Co. ....	301.38	
Roeblings, John A. Sons Co. ....		142.00
Remington-Rand Service Co. ....	210.00	
Reading Motor Co., Inc. ....	73.08	
Rome Wire Co. ....	609.64	
Stembridge, S. R. ....	10.50	
Standard Underground Cable Co. ....		13.75
Spaulding Moss Co. ....	1.21	
Smith, Fred F. ....	36.55	
Salem St. Service Station .....	.70	
Sager Electric Supply Co. ....	13.00	
Steele Furniture Co. ....	40.00	
Simplex Wire & Cable Co. ....	40.87	
Sweetser, Percy N. ....	90.36	
Twombly, W. E. & J. F. ....	165.43	
Totten, R. W. ....	56.24	
Vye-Neill Co. ....	771.61	
Wright, M. S. Co. ....	20.50	
Wetmore-Savage Co. ....	1,931.09	
Wahn, Geo. H. Co. ....	511.53	
Willis, W. H. ....	2.25	
Westinghouse Elec. & Mfg. Co. ....	302.64	
Wallace, F. ....	4.29	



Walker Pratt Mfg. Co., .....	90.00	
Wakefield Radiator Co. ....	3.50	
Wendell Bancroft Co. ....	16.65	
Yawman & Erbe Mfg. Co. ....	69.67	
Zanni, Angelo .....	24.00	
Total .....	\$32,888.57	\$ 155.75
	155.75	
	\$32,732.82	

## REPORT OF AUDITOR FOR THE YEAR 1928

January 31, 1929.

### Municipal Light Board:

Reading, Mass.

Gentlemen:—Complying with your order, we have made an annual audit and examination of the books and records of the Municipal Light Department for the year ending December 31, 1928.

The Exhibits and Schedules listed below are attached as part of our report:

### Exhibit

"A"—Comparative Balance Sheet—December 31, 1928-1927

"B"—Comparative Operating Statement—January 1 to December 31, 1928-1927

"C"—Comparative Profit and Loss Analysis—January 1 to December 31, 1928-1927

"D"—Comparative Detail of Electric Income—January 1 to December 31, 1928-1927

"E"—Comparative Detail of Electric Expenses—January 1 to December 31, 1928-1927

**Schedule**

I—Bond and Note Record and Accrued Interest December 31, 1928

II—Accounts Payable—December 31, 1928

III—Bonded Employees—December 31, 1928

**Plant Investment—\$415,679.50**

Additions to plant amounting to \$30,866.82 have been made during the year. This consists principally of services and extensions, with ordinary increases in other accounts.

Depreciation amounting to \$25,951.68 has been written off this year, besides \$22,159.76 having been spent for Maintenance charges.

**General Equipment—\$12,371.51**

This class of fixed assets shows a net increase of \$4,952.69 over 1927. A large part of this is accounted for through the purchase of additional office equipment for the new office and store on Main Street.

**Current Assets—\$90,339.93****Petty Cash Fund—\$250.00**

This fund was counted and found to agree with the ledger control. All payments from this fund were current.

**Consumers' Deposit Fund—\$2,235.75**

This is a separate fund which is handled by employees of the department. It was verified and reconciled with bank statement.

**Accounts Receivable—Consumers—\$19,167.67**

Individual customers balances were checked and found to agree with the control.

An amount of \$3,440.74 or 18.0% was found to be 90 days or more in arrears.

Bad Debts in the amount of \$1,023.62 have been written off this year in this class of Receivables as being uncollectible.

**Accounts Receivable—Miscellaneous—\$15,913.21**

The individual customers ledger accounts were checked and found to agree with control.

Bad debts amounting to \$1,748.21 have been written off this year being considered worthless.

**Materials and Supplies—\$52,773.30**

Inventories of various classes of supplies have been taken by employees of the department. These were not checked by our office. However, book values have been adjusted to agree with all physical inventories taken.

**Prepaid Items—\$408.73**

This represents prepaid insurance premiums unexpired. From policies in evidence this figure is correct.

**Appropriations for Construction—\$30,678.26**

No appropriations were made from tax levy during 1928.

**Bonds Payable—\$77,500.00**

The above amount represents the total Bonds Payable as of December 31, 1928, \$11,500.00 having been retired during the year with no new issues.

**Notes Payable—\$3,600.00**

This represents notes outstanding as of December 31, 1928. An amount of \$3,300.00 has been retired during year and no new issues contracted.

**Accounts Payable—\$32,732.82**

Schedule II shows a detail of the various unpaid accounts. These date back to September 1928.

This above includes cost of electricity purchased for months of November and December 1928 amounting to \$11,035.70.

**Consumers' Deposits—\$2,235.75**

Individual customers records were checked and found to be in agreement with the control.

Interest was noted as being paid on these accounts December 31, 1928.

**Interest Accrued on Bonds and Notes—\$893.95**

Schedule I shows detail of this accrued item found by us to be correct.

**Other Accrued Items**

Due Treasurer per Lighting Department Records ....	\$ 10,310.24
Due Treasurer per Treasurer's Records .....	9,590.17
	<hr/>
Difference .....	\$ 720.07

This difference is due to deposit of January 2, 1929 being included as December business in Treasurer's record, and not used until January business in Electric Department.

This indebtedness has existed since 1925 and it is very apparent from this and also from non-current Accounts Payable that the working capital of this department is insufficient.

The Treasurer receives no interest on this loan from the Electric Department.

**Loans Repayment—\$277,800.00**

This account has been increased by Bonds Paid during the year amounting to \$11,500.00, and Notes Paid amounting to \$3,300.00, or a total of \$14,800.00.

**Electric Operating Revenue—\$228,858.62**

Although a substantial reduction of rates went into effect on September 1, 1928, revenue from electrical operations has shown an increase of \$7,072.60 or 3.2%.

Distribution or classification of many expense items was considered improper. For Example: Commercial Expenses as shown in Exhibit E show a decrease and General Expenses show an increase. We believe proper classification will show normal increases in both departments.

Suggestion is made that 1929 classifications be more suitable by removing certain General Expenses to Commercial Expenses. Likewise other Departments are effected by improper classifications.

It is suggested that the account 674—Stores Expense—be used in 1929 and concurrently the "unit cost" of Material used for operating and construction be corrected—to be "cost-landed-in-stock."

Materials used for capital accounts to be increased by percentage of total amount (dollars) only and credited to 674 Stores Expense account.

The net balance of 674 Stores Expense account will reflect the operating cost of Material and Supplies department.

**Non-operating Income—\$141.62**

Jobbing appliance business shows a slight net profit this year as compared to a loss last year of \$1,248.65.

**General**

From observation of commercial accounting methods and equipment now in use many detailed changes could be effected, we believe, to render department more efficient.

This department does not operate the so-called "perpetual" inventory system and it is suggested that all inventories be calculated and adjusted as of December 1st each year rather than December 31st. By so doing your accountant will have ample time to study inventory differences and make suitable adjustment thereof prior to the "closing period" of your general accounts, report of which must be completed in time for insertion in the printed Town Report.

Respectfully submitted,

CHARLES E. STANWOOD &amp; SONS.

By Charles E. Stanwood, Certified Public Accountant (Mass.)

## EXHIBIT "A"

TOWN OF READING—MUNICIPAL LIGHT DEPARTMENT  
COMPARATIVE BALANCE SHEET—DECEMBER 31

## ASSETS

		INCREASE		
Investments:		1928	1927	DECREASE
Plant Investment				
E-111	Land .....	\$ 2,575.80	\$ 2,575.80	
E-113	Structures .....	37,238.37	37,437.27	\$ 148.90
E-114	Boiler Plant Equipment	30,676.49	33,870.87	3,194.38
E-115	Prime Movers and Aux- iliaries .....	12,805.88	13,919.44	1,113.56
E-116	Turbo-Generator Units ..	19,969.81	21,706.32	1,736.51
E-117	Electric Plant—Steam ...	26,002.47	24,300.13	1,702.34
E-125	Poles, Fixtures and Over- Overhead Conductors .....	188,274.68	183,466.96	4,807.72
E-128	Consumers' Meters .....	40,820.43	39,623.21	1,197.22
E-129	Consumers' Meter Instal- lation .....	5,749.14	5,571.69	177.45
E-130	Line Transformers .....	38,252.55	35,936.27	2,316.28
E-131	Transformer Installation	4,374.53	3,424.61	949.92
E-132	Street Lighting Equipment	8,675.35	8,502.80	172.55
E-133	Consumers' Premises Equipment .....	214.00	428.99	214.99
TOTAL PLANT INVESTMENT		\$415,679.50	\$410,764.36	\$ 4,915.14



**General Equipment**

E-150 Office Equipment .....	\$ 7,116.36	\$ 3,057.00	\$ 4,059.36
E-152 Stores Equipment .....	564.27	564.27	
E-153 Transportation Equip- ment .....	3,500.00	2,700.00	800.00
E-154 Laboratory Equipment ..	1,190.88	1,097.55	93.33

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<b>TOTAL GENERAL EQUIPMENT</b>	<b>\$ 12,371.51</b>	<b>\$ 7,418.82</b>	<b>\$ 4,952.69</b>
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<b>TOTAL INVESTMENTS</b>	<b>\$428,051.01</b>	<b>\$418,183.18</b>	<b>\$ 9,867.83</b>
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**Current Assets**

E-204-3 Petty Cash .....	\$ 250.00	\$ 250.00	
E-204-2 Construction Fund ....		\$ 289.09	<b>\$ 289.09</b>
E-205-2 Consumers' Deposit Fund	2,235.75	1,575.75	660.00
E-207-1 Accounts Receivable — Consumers .....	19,167.67	20,724.52	<b>1,556.85</b>
E-207-2 Accounts Receivable — Miscellaneous .....	15,913.21	14,704.13	1,209.08
E-209-1 Materials and Supplies:			
General .....	31,028.29	28,206.98	2,821.31
Station Tools and Appliances	726.46	565.69	160.77
Distribution Tools and Ap- pliances .....	2,032.44	1,955.21	67.23
Printing and Office Supplies	1,289.25	813.50	475.75
Office Improvement Supplies	1,164.98		1,164.98
Lamps and Appliances .....	14,411.49	12,554.81	1,856.68
Coal Supplies .....	1,575.16	1,926.03	<b>340.87</b>
Station Supplies .....	545.23	867.92	<b>322.69</b>

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<b>TOTAL CURRENT ASSETS</b>	<b>\$ 90,339.93</b>	<b>\$ 84,433.63</b>	<b>\$ 5,906.30</b>
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**Prepaid Items**

E-213 Prepaid Insurance Pre- miums .....	\$ 408.73	\$ 1,237.74	<b>\$ 829.01</b>
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<b>TOTAL ASSETS</b>	<b>\$518,799.67</b>	<b>\$503,854.55</b>	<b>\$ 14,945.12</b>
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## LIABILITIES AND SURPLUS

			INCREASE
			DECREASE
<b>Appropriations</b>			
E-301 Appropriations for Construction .....	\$ 30,678.26	\$ 30,678.26	
<b>Bonds and Notes</b>			
E-305 Bonds Payable .....	\$ 77,500.00	\$ 89,000.00	\$ 11,500.00
E-306 Notes Payable .....	3,600.00	6,900.00	3,300.00
<b>TOTAL BONDS AND NOTES</b>	\$ 81,100.00	\$ 95,900.00	\$ 14,800.00
<b>Current Liabilities</b>			
E-308 Accounts Payable .....	\$ 32,732.82	\$ 27,545.26	\$ 5,187.56
E-309 Consumers' Deposits ....	2,235.75	1,575.75	660.00
<b>TOTAL CURRENT LIABILITIES</b>	\$ 34,968.57	\$ 29,121.01	\$ 5,847.56
<b>Accrued Items</b>			
E-314 Interest Accrued on Bonds and Notes .....	\$ 893.95	\$ 1,076.16	\$ 182.21
E-315 Other Accrued Items—			
Loan—Town Treasurer .....	10,310.24	9,768.71	541.53
<b>TOTAL ACCRUED ITEMS</b>	\$ 11,204.19	\$ 10,844.87	\$ 359.32
<b>Appropriated Surplus</b>			
E-322 Loans Repayment .....	\$277,800.00	\$263,000.00	\$ 14,800.00
<b>TOTAL LIABILITIES</b>	\$435,751.02	\$429,544.14	\$ 6,206.88
Profit and Loss—Balance .....	\$ 83,048.65	\$ 74,310.41	\$ 8,738.24
<b>TOTAL LIAB. AND SURPLUS</b>	\$518,799.67	\$503,854.55	\$ 14,945.12

# EXHIBIT "B"

## TOWN OF READING—MUNICIPAL LIGHT DEPARTMENT

### COMPARATIVE OPERATING STATEMENT—TWELVE MONTHS ENDING DECEMBER 31

#### REVENUE FROM SALES OF ELECTRIC ENERGY:

	1928	1927	INCREASE DECREASE	RATIOS 1928 1927
E-501-1 Metered Sales—Lighting .....	\$ 81,230.21	\$120,889.07	<b>\$ 39,658.86</b>	35.4 54.6
E-501-1 Metered Sales—Resident Lighting ..	42,721.41		42,721.41	18.6
E-501-1 Metered Sales—Commercial Lighting	10,931.27		10,931.27	4.8
E-501-2 Metered Sales—Heating and Cooking	12,828.45	23,793.22	<b>10,964.77</b>	5.6 10.7
E-501-2 Metered Sales—Commercial Heating	2,238.39		2,238.39	1.0
E-501-1 Metered Sales—Combination .....	10,529.46	5,702.97	4,826.49	4.6 2.5
E-501-3 Metered Sales—Commercial Power	10,451.74		10,451.74	4.6
E-501-3 Metered Sales—Power .....	23,342.48	38,334.35	<b>14,991.87</b>	10.2 17.3
E-505-1 Sales to Other Companies .....	202.84	148.73	54.11	.1
E-505-2 Street Lighting .....	26,927.20	27,516.05	<b>588.85</b>	11.8 12.4
E-505-3 Municipal Revenue .....	7,011.52	4,959.33	2,052.19	3.1 2.2

#### Total Revenue from sales of Electric Energy

	\$228,414.97	\$221,343.72	7,071.25	99.8 99.8
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#### E-508 Rent from Property Used in Operation

	\$ 443.65	\$ 442.30	1.35	.2 .2
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#### Total Operating Revenue

	\$228,858.62	\$221,786.02	7,072.60	100.0 100.0
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#### ELECTRIC OPERATING EXPENSES:

1. Production .....	\$ 67,410.22	\$ 67,661.31	<b>\$ 251.09</b>	29.5 30.6
2. Transmission and Distribution .....	55,481.57	44,206.78	11,274.79	24.2 19.9

3. Utilization .....	7,879.66	6,656.98	1,222.68	3.5	3.0
4. Commercial .....	9,845.62	10,420.65	575.03	4.4	4.7
5. New Business .....	3,946.56	4,031.61	85.05	1.7	1.8
6. General and Miscellaneous .....	53,439.66	44,633.27	8,806.39	23.3	20.1
<b>Total Operating Expenses</b> .....	\$198,003.29	\$177,610.60	\$ 20,392.69	86.6	80.1
<b>Net Operating Revenue</b> .....	\$ 30,855.33	\$ 44,175.42	<b>\$ 13,320.09</b>	13.4	19.9
E-550 Uncollectible Operating Revenue ....	\$ 2,771.83	\$ 2,261.73	\$ 510.10		
E-551 Taxes Assignable to Elec. Oper. ....	624.09	692.21	68.12		
<b>Net Operating Income</b> .....	\$ 27,459.41	\$ 41,221.48	<b>\$ 13,762.07</b>		
<b>NON-OPERATING INCOME:</b>					
E-560 Merchandise and Jobbing Revenue ...	\$ 41.37	\$ 1,248.65	\$ 1,290.02		
E-563 Interest Income .....	64.00	23.47	40.53		
E-566 Miscellaneous Non-Operating Income	36.25	157.58	121.33		
<b>Total Income</b> .....	\$ 27,601.03	\$ 40,153.88	<b>\$ 12,552.85</b>		
<b>DEDUCTIONS FROM TOTAL INCOME</b>					
E-576 Interest on Bonds and Notes .....	\$ 4,062.79	\$ 4,763.62	<b>\$ 700.83</b>		
<b>Net Income</b> .....	\$ 23,538.24	\$ 35,390.26	<b>\$ 11,852.02</b>		

## EXHIBIT "C"

TOWN OF READING—MUNICIPAL LIGHTING DEPARTMENT  
COMPARATIVE PROFIT AND LOSS ANALYSIS—DECEMBER 31

	1928	1927	INCREASE DECREASE
Balance, January 1.....	\$ 74,310.41	\$ 54,720.15	\$ 19,590.26
<b>CREDITS:</b>			
Net Income from Exhibit "B"	23,538.24	35,390.26	<b>11,852.02</b>
<b>Total Credit</b> .....	<b>\$ 97,848.65</b>	<b>\$ 90,110.41</b>	<b>\$ 7,738.24</b>
<b>CHARGES:</b>			
Bonds Paid .....	\$ 11,500.00	\$ 12,500.00	<b>\$ 1,000.00</b>
Notes Paid .....	3,300.00	3,300.00	
<b>Total Charges</b> .....	<b>\$ 14,800.00</b>	<b>\$ 15,800.00</b>	<b>\$ 1,000.00</b>
Balance, December 31.....	\$ 83,048.65	\$ 74,310.41	\$ 8,738.24
<b>NET INCREASE IN PROFIT AND LOSS FOR YEAR</b> .....			
	<b>\$ 8,738.24</b>	<b>\$ 19,590.26</b>	<b>\$ 10,852.02</b>

## EXHIBIT "D"

MUNICIPAL LIGHT DEPARTMENT  
COMPARATIVE DETAIL OF INCOME—JAN. 1 TO DEC. 31

	1928	1927	INCREASE DECREASE
<b>METERED SALES—LIGHTING</b>			
Reading .....	\$ 49,632.24	\$ 73,875.49	<b>\$ 24,243.25</b>
Lynnfield Center .....	5,227.57	7,718.02	<b>2,490.45</b>
North Reading .....	8,657.37	12,381.37	<b>3,724.00</b>
Wilmington .....	17,713.03	26,914.19	<b>9,201.16</b>
<b>Total Lighting Income</b> .....	<b>\$ 81,230.21</b>	<b>\$ 120,889.07</b>	<b>\$ 39,658.86</b>



**METERED SALES—RESIDENT LIGHTING**

Reading .....	\$ 24,319.68		\$ 24,319.68
Lynnfield Center .....	3,121.64		3,121.64
North Reading .....	5,127.52		5,127.52
Wilmington .....	10,152.57		10,152.57
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<b>Total Resident Lighting Income</b>	<b>\$ 42,721.41</b>		<b>\$ 42,721.41</b>
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**METERED SALES—POWER**

Reading .....	\$ 19,203.33	\$ 33,763.10	<b>\$ 14,559.77</b>
Lynnfield Center .....	256.05	381.03	<b>124.98</b>
North Reading .....	2,173.78	3,068.88	<b>895.10</b>
Wilmington .....	1,709.32	1,121.34	587.98
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<b>Total Power Income</b>	<b>\$ 23,342.48</b>	<b>\$ 38,334.35</b>	<b>\$ 14,991.87</b>
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**METERED SALES—COOKING AND HEATING**

Reading .....	\$ 7,714.56	\$ 14,873.71	<b>\$ 7,159.15</b>
Lynnfield Center .....	656.44	1,285.45	<b>629.01</b>
North Reading .....	2,012.30	3,238.64	<b>1,226.34</b>
Wilmington .....	2,445.15	4,395.42	<b>1,950.27</b>
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<b>Total Cooking and Heating Income</b>	<b>\$ 12,828.45</b>	<b>\$ 23,793.22</b>	<b>\$ 10,964.77</b>

**METERED SALES—COMBINATION**

Reading .....	\$ 6,956.73	\$ 3,567.45	\$ 3,389.28
Lynnfield Center .....	545.65	314.51	231.14
North Reading .....	1,038.18	736.97	301.21
Wilmington .....	1,988.90	1,084.04	904.86
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<b>Total Combination Income</b>	<b>\$ 10,529.46</b>	<b>\$ 5,702.97</b>	<b>\$ 4,826.49</b>
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**METERED SALES—COMMERCIAL LIGHTING**

Reading .....	\$ 7,037.38		\$ 7,037.38
Lynnfield Center .....	336.76		336.76
North Reading .....	1,429.55		1,429.55
Wilmington .....	2,127.58		2,127.58
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<b>Total Commercial Lighting Income</b>	<b>\$ 10,931.27</b>		<b>\$ 10,931.27</b>
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**METERED SALES—COMMERCIAL HEATING**

Reading .....	\$ 1,334.19		\$ 1,334.19
Lynnfield Center .....	82.02		82.02
North Reading .....	451.45		451.45
Wilmington .....	370.73		370.73

<b>Total Commercial Heating Income</b>	<b>\$ 2,238.39</b>		<b>\$ 2,238.39</b>
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**METERED SALES COMMERCIAL POWER**

Reading .....	\$ 7,456.31		\$ 7,456.31
Lynnfield Center .....	105.91		105.91
North Reading .....	1,215.26		1,215.26
Wilmington .....	1,674.26		1,674.26

<b>Total Commercial Power Income</b>	<b>\$ 10,451.74</b>		<b>\$ 10,451.74</b>
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**SALES TO OTHER ELECTRIC COMPANIES**

Wakefield .....	\$ 71.50	\$ 54.35	\$ 17.15
Lowell .....	46.38	64.02	<b>17.64</b>
Lawrence .....	82.80	30.36	52.44
Peabody .....	2.16		2.16

<b>Total Sales to Other Companies</b>	<b>\$ 202.84</b>	<b>\$ 148.73</b>	<b>\$ 54.11</b>
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**MUNICIPAL REVENUE—STREET LIGHTING**

Reading .....	\$ 13,500.00	\$ 13,500.00	
Lynnfield Center .....	1,971.28	1,844.44	\$ 126.84
North Reading .....	3,945.42	3,920.06	25.36
Wilmington .....	7,510.50	8,251.55	<b>741.05</b>

<b>Total Street Lighting Income</b>	<b>\$ 26,927.20</b>	<b>\$ 27,516.05</b>	<b>\$ 588.85</b>
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**BUILDINGS**

Lighting .....	\$ 3,638.51	\$ 2,585.75	\$ 1,052.76
Power .....	3,373.01	2,373.58	999.43

<b>Total Income from Mun. Bldgs.</b>	<b>\$ 7,011.52</b>	<b>\$ 4,959.33</b>	<b>\$ 2,052.19</b>
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<b>Total Income from Sales of Electric Energy</b>	<b>\$228,414.97</b>	<b>\$221,343.72</b>	<b>\$ 7,071.25</b>
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NOTE: Due to a reduction of rates on Sept. 1 and a reclassification of Income Accounts, the above figures do not show a fair comparison with last year's.

## EXHIBIT "E"

**TOWN OF READING—MUNICIPAL LIGHT DEPARTMENT  
COMPARATIVE DETAIL OF EXPENSES—12 MONTHS ENDING  
DECEMBER 31**

			INCREASE	
	1928	1927	DECREASE	
<b>1. PRODUCTION</b>				
E-601 Supt. and Labor .....	\$ 105.00	\$ 2,980.80	\$ 2,875.80	
E-606 Boiler Fuel .....		4,902.67	4,902.67	
E-607 Water for Steam .....	74.95	142.08	67.13	
E-608 Lubricants .....	73.36	33.00	40.36	
E-609 Station Supplies .....	2,087.27	2,217.23	129.96	
E-611 Maint. of Sta. Structures	695.21	5,827.05	5,131.84	
E-612 Maint. of Boiler Plant				
Equipment .....	756.97	252.39	504.58	
E-613 Maint. of Steam Engines	1.53		1.53	
E-614 Maint. of Turbo-Generator				
Units .....	991.47	1,095.45	103.98	
E-615 Maint. of Elec. Generating				
Equipment .....	48.15	50.44	2.29	
E-616 Maint. of Accessory Elec.				
Equipment .....	23.47	164.22	140.75	
E-634 Electric Energy Purchased	62,552.84	49,995.98	12,556.86	
<b>Total Production Expense</b>	<b>\$ 67,410.22</b>	<b>\$ 67,661.31</b>	<b>\$ 251.09</b>	

**2. TRANSMISSION AND DISTRIBUTION**

E-636 Transf. Sta. and Sub-Sta- Supt. and Labor .....	\$ 8,684.51	\$ 8,851.16	\$ 166.65	
E-637 Transf. Sta. and Sub-Sta- Sup. and Expenses .....	6,601.36	7,203.15	601.79	
E-638 Operation of Trans. and Dist. Lines .....	21,469.19	16,358.19	5,111.00	
E-639 Trans. and Dist. Sup. and Expenses .....	292.14	798.96	506.82	
E-640 Inspecting and Testing Meters .....	1,481.45	1,363.22	118.23	
E-641 Removing and Resetting Meters .....	1,643.37	1,422.00	221.37	
E-642 Removing and Resetting Transformers .....	577.52	615.84	38.32	

E-646 Maint. of Transf. Sta. and Sub-Station Equipment .....	310.26		310.26
E-647 Maint. of Trans. and Dist. Lines .....	13,626.70	6,860.16	6,766.54
E-650 Maint. of Consumers Meters .....	213.34	132.70	80.64
E-651 Maint. of Transformers .	581.73	601.40	<b>19.67</b>
<b>Total Trans. and Distribution Exp.</b>	<b>\$ 55,481.57</b>	<b>\$ 44,206.76</b>	<b>\$ 11,274.79</b>

### 3. UTILIZATION

E-654 Mun. Street Lamps, Labor	\$ 954.76	\$ 1,114.80	<b>\$ 160.04</b>
E-655 Mun. Street Lamps, Sup. and Expenses .....	2,027.90	2,100.16	<b>72.26</b>
E-657 Maint. of Mun. St. Lamps	1,786.93	575.15	1,211.78
E-659 Maint. of Consumers' Installations .....	3,110.07	2,866.87	243.20
<b>Total Utilization Expenses .....</b>	<b>\$ 7,879.66</b>	<b>\$ 6,656.98</b>	<b>\$ 1,222.68</b>

### 4. COMMERCIAL

E-660 Commercial Salaries ....	\$ 8,078.01	\$ 8,243.30	<b>\$ 165.29</b>
E-661 Commercial Sup. and Expense .....	1,767.61	2,177.35	<b>409.74</b>
<b>Total Commercial Expenses</b>	<b>\$ 9,845.62</b>	<b>\$ 10,420.65</b>	<b>\$ 575.03</b>

### 5. NEW BUSINESS

E-662 New Business Salaries ..	\$ 2,562.50	\$ 2,838.72	<b>\$ 276.22</b>
E-663 New Business Sup. and Expenses .....	15.67	23.58	<b>7.91</b>
E-664 Advertising .....	1,368.39	1,169.31	199.08
<b>Total New Business Expenses</b>	<b>\$ 3,946.56</b>	<b>\$ 4,031.61</b>	<b>\$ 85.05</b>

### 6. MISCELLANEOUS AND GENERAL

E-666 Salary of Manager .....	\$ 5,200.00	\$ 5,200.00	
E-667 Salaries of General Office Clerks .....	5,793.09	3,690.99	2,102.10
E-668 General Office Supplies and Expense .....	1,956.22	955.75	1,000.47

E-669	General Office Rents .....	410.22		410.22
E-671	Insurance .....	6,133.57	4,255.66	1,877.91
E-673	Accidents and Damages ..	62.44	68.90	<b>6.46</b>
E-674	Stores Expenses .....	2,458.84	255.66	2,203.18
E-675	Transportation Expense ..	1,631.30	2,967.34	<b>1,336.04</b>
E-676	Inventory Adjustments ....	3,214.85	2,411.28	803.57
E-677	Maint. of Gen. Structure ..	13.93	56.80	<b>42.87</b>
E-678	Depreciation .....	25,951.68	24,533.58	1,418.10
E-679	Misc. General Expense ....	613.52	237.31	376.21
<b>Total Miscellaneous and General</b>				
<b>Expenses .....</b>		\$53,439.66	\$ 44,633.27	\$ 8,806.39
<b>Total Operating Expenses</b>		\$198,003.29	\$177,610.60	\$ 20,392.69



**SCHEDULE "I"**  
**TOWN OF READING MUNICIPAL LIGHT DEPARTMENT**  
**BONDS AND NOTES PAYABLE—DECEMBER 31, 1928**

**BONDS**

No. Issue	Date Authorized	Date Issued	Original Amount	Payments of Principal	Rate Int.	Int. Payable	Bal. Payable Dec. 31, 1928	Accrued Interest	Purpose
1	August 1894	10/ 1/1894	\$ 50,000.00	\$1,000, yearly 10 years 2,000, yearly 20 years	4	April 1-October 1			Establishing Plant
2	May 1907	10/ 1/1907	26,000.00	1,000, yearly 26 years	4½	April 1-October 1	\$ 5,000.00	\$56.25	Additions
3	June 1911	7/15/1911	20,000.00	2,000, yearly 10 years	4	January 15-July 15			Wilmington
4	August 1913	10/15/1913	23,500.00	1,500, yearly 9 years 1,000, yearly 10 years	4¼	April 15-October 15	4,000.00	35.42	Station
5	Sept. 1914	9/15/1914	8,000.00	500, yearly 16 years	4½	March 15-September 15	1,000.00	13.13	Reading
6	March 1916	5/15/1916	10,000.00	500, yearly 20 years	4	November 15-May 15	4,000.00	20.00	New Construction
7	March 1917	10/ 1/1917	55,000.00	3,000, yearly 18 years 1,000, yearly 1 year	4½	April 1-October 1	22,000.00	247.50	Additions
8	October 1918	1/ 1/1919	12,000.00	1,000, yearly 4 years 500, yearly 16 years	4½	January 1-July 1	5,500.00	123.75	Additions
9	March 1919	4/ 1/1919	20,000.00	1,000, yearly 20 years	4¾	October 1-April 1	11,000.00	130.63	Additions
10	March 1920	5/ 1/1920	20,000.00	1,000, yearly 20 years	5	November 1-May 1	12,000.00	100.00	Additions
11	Dec. 1923	12/ 1/1923	10,000.00	1,000, yearly 10 years	4½	June 1-December 1	5,000.00	18.75	Additions
12	March 1926	8/ 1/1926	13,000.00	3,000, yearly 1 year 2,000, yearly 5 years	4	February 1-August 1	8,000.00	125.00	Garage and Storeroom
Total Bonds and									
Interest on Bonds .....			\$267,500.00				\$77,500.00	\$870.43	

# NOTES

1	March 1895	5/ 1/1896	\$ 7,000.00	\$1,400. yearly 5 years	4	November 1-May 1	Construction of Plant
2	March 1896	5/ 1/1896	7,000.00	1,400. yearly 5 years	4	November 1-May 1	Construction of Plant
3	Dec. 1896	12/ 9/1896	1,500.00	1,500. yearly 1 year	4	June 9-December 9	Construction of Plant
4	March 1898	7/15/1898	3,000.00	1,000. July 15, 1901	3¾	January 15-July 15	New Generator
				2,000. July 15, 1904			
5	March 1903	12/ 7/1903	1,400.00	1,400. Dec. 7, 1906	4	June 7-December 7	Renewal of Note
6	March 1909	11/15/1909	2,500.00	1,000. Nov. 15, 1910	4	May 15-November 15	Lynnfield Centre Lines
				1,500. Nov. 15, 1911			
7	Nov. 1909	1/21/1910	1,800.00	1,800. Jan. 31, 1913	4	July 21-January 21	New Construction
8	January 1910	3/27/1910	12,000.00	1,000. yearly 12 years	4	September 27-March 27	New Construction
9	June 1911	7/12/1911	2,200.00	2,200. July 12, 1912	4	January 12-July 12	North Reading Lines
10	March 1913	4/16/1913	13,500.00	1,500. yearly 9 years	4¼	October 16-April 16	New Construction
11	March 1915	5/15/1915	12,000.00	800. yearly 15 years	4	November 15-May 15	New Construction
12	March 1915	7/15/1915	4,000.00	500. yearly 8 years	4	January 15-July 15	Reading
13	March 1917	9/22/1917	6,500.00	500. yearly 13 years	5	March 22-September 22	New Construction
14	Nov. 1919	11/20/1919	3,000.00	1,500. yearly 2 years	5	May 20-November 20	New Construction
15	March 1921	7/ 1/1921	7,000.00	1,000. yearly 7 years	6	January 1-July 1	Additions
16	Dec. 1922	12/15/1922	7,000.00	1,000. yearly 7 years	4¼	June 15-December 15	Additions

Total Notes and Accrued Interest on Notes ..... \$ 91,400.00

Total Bonds and Notes and Accrued Interest ..... \$81,100.00 \$893.95

## SCHEDULE "II"

## ACCOUNTS PAYABLE—DECEMBER 31, 1928

Voucher Number	Name	Amount	Date of Oldest Bill
1563	Francis Brothers .....	\$ 48.07	December
2	George H. Buckminster .....	34.93	
1	Ernest W. Eames .....	40.00	December
1560	Kenney Service Station .....	125.65	December
1559	E. B. Currell & Son .....	2.80	December
8	E. B. Currell & Son .....	17.42	December
7	Boston & Maine R. R. ....	.20	
6	Steele Furniture Co. ....	40.00	December
5	Mass. Dept. of Public Works ..	273.92	December
4	Kelvinator Sales Corp. ....	<b>31.94</b>	December
3	Martin B. Hartshorn .....	814.44	December
1	General Electric Co. ....	62.16	December
1550	Dyer-Clark Co. ....	26.25	December
1549	M. S. Wright Co. ....	20.50	December
8	Wetmore-Savage Co .....	11.84	December
7	Wetmore-Savage Co. ....	12.49	December
6	Wetmore-Savage Co. ....	1.33	December
5	George H. Wahn Co. ....	52.01	December
4	Vye-Neill Co. ....	172.49	December
3	W. E. & J. F. Twombly .....	165.43	December
2	Town of Reading Sewer Dept. ..	8.40	December
1	Robbins-Phalon Co. ....	3.08	December
1540	M. P. A. Ass'n of Boston .....	24.00	December
1539	Lowell Electric Light Corp. ....	7.38	December
8	Lowell Electric Light Corp. ....	3.78	December
7	Lowell Electric Light Corp. ....	.75	December
6	Lowell Electric Light Corp. ....	.75	December
5	Alex Lindsay .....	2.50	December
4	Landers, Frary & Clark .....	16.07	December
3	Landers Frary & Clark .....	9.38	December
2	Landers, Frary & Clark .....	1.07	December
1	John St. Garage .....	.75	December
1530	Hynes & Cox Elec. Corp. ....	13.50	December
1529	Hynes & Cox Elec. Corp. ....	24.30	December
8	Hynes & Cox Elec. Corp. ....	18.10	November
7	Hynes & Cox Elec. Corp. ....	<b>142.80</b>	November
6	Graybar Electric Co., Inc. ....	.61	December
5	Graybar Electric Co., Inc. ....	15.66	December

4	The Goodheart Co. ....	<b>3.00</b>	December
3	The Goodheart Co. ....	136.50	December
2	The Goodheart Co. ....	14.95	December
1521	The Goodheart Co. ....	9.10	December
1520	The Goodheart Co. ....	102.00	December
1519	General Electric Co. ....	19.80	December
8	General Electric Co. ....	53.20	December
7	General Electric Co. ....	12.44	December
6	Franchuer, Inc. ....	11.75	December
5	Electric Time Co. ....	9.84	December
4	Electric Specialty Co. ....	.75	December
3	Edison Electric Ill. Co. ....	5,623.31	November
2	Dyer-Clark Co. ....	37.75	December
1	Dyer-Clark Co. ....	11.25	December
1510	Cummings Express Co. ....	42.98	
1509	Clapp & Leach, Inc. ....	30.19	December
8	Century Electric Co. ....	4.66	December
7	George H. Buckminister Co. ....	33.75	December
6	C. Bowen ....	1.75	
5	Boston & Maine R. R. ....	.50	
4	American Ironing Machine Co. ..	14.20	December
1495	Hygrade Lamp Co. ....	54.72	
3	Yawman & Erbe Mfg. Co. ....	69.67	December
2	Wetmore-Savage Co. ....	172.17	December
1	Wetmore-Savage Co. ....	<b>120.00</b>	December
1490	Wetmore-Savage Co. ....	<b>1.01</b>	
1489	Wetmore-Savage Co. ....	12.13	November
8	Wetmore-Savage Co. ....	3.99	December
6	George H. Wahn Co. ....	165.91	December
5	Vye-Neill Co. ....	149.10	December
4	N. E. Tel. & Tel. Co. ....	82.45	December
3	National Lamp Works ....	207.00	December
2	A. E. Martell Co., Inc. ....	59.46	December
1	Linscott Motor Co. ....	5.45	December
1480	Lewis Electrical Supply Co. ....	92.13	December
1479	Kelvinator Sales Corp. ....	120.27	December
8	Gulf Refining Co. ....	54.88	December
7	Graybar Electric Co., Inc. ....	61.59	December
6	General Electric Co. ....	1,413.26	December
5	Dyer-Clark Co. ....	126.65	December
4	Paul W. Dayton ....	105.75	Paid in Jan.
3	George H. Buckminister ....	635.64	December
2	Boston & Maine R. R. ....	15.16	
1471	Van I. Bennett ....	59.14	December
1470	J. Brinton Bailey ....	72.36	December

1469	W. H. Willis .....	2.25	November
1468	Westinghouse Elec. Mfg. ....	<b>7.62</b>	November
1467	Westinghouse Elec. Mfg. ....	310.26	December
6	F. Wallace .....	4.29	December
5	Walker & Pratt Mfg. Co. ....	90.00	December
4	Wakefield Radiator .....	3.50	December
3	R. W. Totten .....	56.24	December
2	S. R. Stenbridge Co. ....	10.50	December
1	Standard Underground Cable ....	<b>13.75</b>	November
1460	Spaulding-Moss Co. ....	1.21	December
1459	Fred F. Smith .....	36.55	December
8	Salem St. Service Sta. ....	.70	November
7	Sager Elec. Supply Co. ....	13.00	December
6	John A. Roebblings Co. ....	<b>32.00</b>	December
5	Robbins-Phalon Co. ....	.24	December
4	Robbins-Phalon Co. ....	1.49	December
3	Remington Rand Ser., Inc. ....	210.00	December
2	Reading Motor Co., Inc. ....	73.08	December
1	Prentiss & Parker .....	960.41	
1450	N. E. Tel. & Tel. Co. ....	34.50	December
1449	George W. Marshall .....	2.45	December
8	Lightolier Company .....	41.70	December
7	Landers, Frary & Clark .....	25.20	December
6	D. M. Laffin .....	12.50	December
5	Kelvinator Sales Corp. ....	<b>16.50</b>	December
4	C. C. Johnson .....	1.50	December
3	Jefferson Glass Co. ....	18.25	December
2	Hynes & Cox Electric Co. ....	148.80	October
1	Hynes & Cox Electric Co. ....	13.50	December
1440	The Hoover Co. ....	3.96	December
1439	F. S. Hardy & Co. ....	27.90	December
8	The Goodheart Co. ....	10.50	December
7	J. W. Gillis & Co. ....	3.13	December
6	General Motors Truck Co. ....	.94	December
5	General Motors Truck Co. ....	.81	December
4	General Electric Supply Co. ....	<b>106.00</b>	December
3	General Electric Supply Co. ....	61.89	November
2	General Electric Supply Co. ....	3.50	December
1	T. C. Fife, Inc. ....	3.80	December
1430	Federal Engraving Co. ....	4.58	December
1429	Eureka Vacuum Cleaner Co. ....	3.13	December
8	Edison Electric Ill. Co. ....	1,046.25	December
7	Frank S. Eaton .....	5.40	November
1426	Dustbane Mfg. Co. ....	4.65	December
5	Dustbane Mfg. Co. ....	3.67	December
4	Orison L. Dickinson .....	8.00	



3	L. W. Dickinson & Son .....	18.00	October
2	Davis Transformer Co. ....	74.80	November
1	Louis Davis .....	9.47	December
1420	George W. Davis Co. ....	7.75	December
1419	Conover Company .....	83.70	December
8	M. F. Charles .....	22.25	December
7	Central Garage .....	7.82	December
6	Wendell Bancroft & Co. ....	16.65	December
5	American Ironing Machine Co. ..	216.75	December
4	American Railway Express .....	3.33	
3	American Railway Express .....	6.91	
2	Addressograph Co. ....	17.25	December
1	H. L. Abbott, Town Clerk .....	2.00	December
1393	Wetmore-Savage Elec. Sup. Co.	<b>13.20</b>	December
1392	George H. Wahn Co. ....	91.20	November
1390	Simplex Wire & Cable .....	158.04	December
1384	General Electric Supply Co. ....	2.18	November
3	General Electric Supply Co. ....	.62	November
2	General Electric Supply Co. ....	16.59	November
1	General Electric Supply Co. ....	2.64	November
1378	Edison Electric Ill. Co. ....	5,412.39	
6	George H. Buckminster Co. ....	264.00	November
3	Wetmore-Savage Co. ....	17.92	November
1	Wetmore-Savage Co. ....	21.15	November
1368	Vye-Neill Co. ....	<b>1.45</b>	December
7	Vye-Neill Co. ....	21.75	October
6	Vye-Neill Co. ....	117.36	November
1361	Simplex Wire & Cable Co. ....	<b>151.00</b>	November
1360	Simplex Wire & Cable Co. ....	33.83	November
1359	Robbins-Phalon Co. ....	288.78	November
1337	Gulf Refining Co. ....	15.20	November
6	Gulf Refining Co. ....	8.48	November
5	Graybar Electric Co., Inc. ....	24.26	October
4	Graybar Electric Co., Inc. ....	24.26	November
4	Graybar Electric Co., Inc. ....	4.75	November
1333	Graybar Electric Co., Inc. ....	12.21	November
2	Granite State Elec. Supply .....	202.50	November
1329	General Electric Supply .....	<b>5.60</b>	November
8	General Electric Supply .....	<b>18.80</b>	November
7	General Electric Supply .....	300.86	November
6	General Electric Company .....	550.00	November
1325	General Electric Co. ....	499.85	November
4	General Electric Co. ....	17.55	November
3	P. A. Geier Co. ....	<b>405.00</b>	November
1320	Edison Electric Ill. Co. ....	1,046.25	
1312	George H. Buckminster Co. ....	<b>15.00</b>	November

1	George H. Buckminster Co. ....	198.06	November
1309	Van I. Bennett .....	3.76	November
1297	Graybar Electric Co., Inc. ....	7.60	November
6	Graybar Electric Co., Inc. ....	30.39	November
5	General Electric Co., Inc. ....	3.00	November
4	General Electric Co., Inc. ....	.28	November
3	General Electric Co., Inc. ....	16.50	November
2	George H. Buckminster Co. ....	44.63	November
1	George H. Buckminster Co. ....	5.50	November
1287	Ansonia Electrical Co. ....	<b>40.00</b>	
6	Ansonia Electrical Co. ....	1,256.49	
3	Wetmore-Savage Elec. Supply ..	419.25	
1	George H. Wahn Co. ....	6.30	November
1280	Vye-Neill Co. ....	10.20	November
1279	Percy N. Sweetser .....	16.75	
6	Robbins-Phalon Co. ....	3.73	November
5	Robbins-Phalon Co. ....	4.06	November
3	National Lamp Works .....	129.58	November
2	National Lamp Works .....	60.03	November
1	Mass. Reformatory .....	86.75	November
1266	Kelvinator Sales Corp. ....	123.96	November
5	Kelvinator Sales Corp. ....	20.07	November
4	Joslin Show Case Co. ....	110.00	November
3	Hynes & Cox Electric Corp. ....	142.80	November
1259	Gulf Refinng Co. ....	40.80	November
7	General Electric Supply .....	8.55	November
6	General Electric Supply .....	163.00	November
1	George H. Buckminster .....	2.65	November
1249	Van I. Bennett .....	5.34	November
1223	George H. Buckminster Co. ....	28.05	October
1218	Angello Zanni .....	24.00	
6	Wetmore-Savage Elec. Sup. Co.	413.89	October
5	Wetmore-Savage Elec. Sup. Co.	16.40	October
4	Wetmore-Savage Elec. Sup. Co.	649.00	October
1	Vye-Neill Co. ....	20.40	October
1209	Percy N. Sweetser .....	73.61	
1200	George H. Wahn Co. ....	196.11	October
	Forwarded .....	\$ 28,889.65	
	Amount Brought Forward .....	\$ 28,889.65	
1198	National Lamp Works .....	79.07	October
1188	Kelvinator Sales Corp. ....	200.85	October
7	Kelvinator Sales Corp. ....	3.70	
1177	Graybar Electric Co., Inc. ....	16.45	October
6	Graybar Electric Co., Inc. ....	208.20	October
5	Graybar Electric Co., Inc. ....	112.50	October

4	General Electric Sup. Co. ....	<b>5.50</b>	October
3	General Electric Sup. Co. ....	<b>17.49</b>	September
2	General Electric Sup. Co. ....	140.80	October
1170	P. A. Geier Co. ....	101.25	October
1150	George H. Buckminster Co. ....	68.00	October
1149	George H. Buckminster Co. ....	6.38	October
8	George H. Buckminster Co. ....	18.00	October
7	Van I. Bennett .....	19.50	October
1134	Wetmore-Savage Elec. Sup. Co.	184.84	October
1130	Vye-Neill Co. ....	4.05	October
1129	Vye-Neill Co. ....	42.14	October
1	National Lamp Works .....	24.84	October
1120	National Lamp Works .....	69.55	October
1119	National Lamp Works .....	82.39	October
1108	General Elec. Supply Corp. ....	16.33	October
1107	General Elec. Supply Corp. ....	18.67	October
1098	George H. Buckminster Co. ....	28.80	October
7	George H. Buckminster Co. ....	15.00	October
5	Van I. Bennett .....	<b>40.79</b>	October
1057	George H. Buckminster Co. ....	157.69	
3	Wetmore-Savage Elec. Sup. Co.	35.00	September
2	Wetmore-Savage Elec. Sup. Co.	5.25	
1	Vye-Neill Co. ....	221.90	September
1039	Mass. Reformatory .....	6.75	September
1014	Wetmore-Savage Elec. Sup. Co.	<b>9.11</b>	
3	Wetmore-Savage Elec. Sup. Co.	<b>2.33</b>	
2	Wetmore-Savage Elec. Sup. Co.	<b>.51</b>	
1	Wetmore-Savage Elec. Sup. Co.	.57	
1010	Wetmore-Savage Elec. Sup. Co.	.78	
1009	Wetmore-Savage Elec. Sup. Co.	99.25	
7	Vye-Neill Co. ....	9.60	September
6	Vye-Neill Co. ....	4.05	September
985	Mass. Reformatory .....	106.92	
1	Kelvinator Sales Corp. ....	10.00	September
980	Kelvinator Sales Corp. ....	1.22	September
975	Graybar Electric Co. Inc. ....	1.81	
4	Graybar Electric Co., Inc. ....	135.14	
3	Graybar Electric Co., Inc. ....	<b>4.50</b>	
2	Graybar Electric Co., Inc. ....	88.52	
	Forwarded .....	\$ 31,155.29	
	Amount Brought Forward .....	\$ 31,155.29	
954	George H. Buckminster Co. ....	498.36	
3	George H. Buckminster Co. ....	1.71	September
850	John A. Roebing's Sons Co. ....	<b>110.00</b>	July
1340	The Hoover Company .....	144.00	November

2	Kelvinator Sales Corp. ....	5.35
1125	Rome Wire Co. ....	668.64
1358	Rome Wire Co. ....	<b>59.00</b>
1404	E. E. Harnden ....	42.84
5	Frank Burke ....	102.65
6	Hygrade Lamp Co. ....	51.08
7	Hygrade Lamp Co. ....	124.03
8	Hygrade Lamp Co. ....	62.75
9	Hygrade Lamp Co. ....	20.12
1410	George W. Ide ....	25.00

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Total ..... \$ 32,732.82

### SCHEDULE "III"

#### MUNICIPAL LIGHT DEPARTMENT TOWN OF READING—BONDED EMPLOYEES DECEMBER 31 1928

Item	Name	Amount of Bond Premium		Duties
2	Addie M. Putney	\$ 1,000.00	\$ 2.50	Collection Agency N. Reading
3	George M. Roundy	1,000.00	2.50	Collection Agency Lynnfield
4	Clarence L. Thomas	1,000.00	2.50	Assistant Supt.
6	Arthur G. Sias	1,000.00	2.50	Manager
8	Edward O. Herrick	1,000.00	2.50	Service Dept. Manager
10	John R. Anderson	1,000.00	2.50	Service Man
16	Paul R. Lane	1,000.00	2.50	Receiving Room Clerk
18	Charles E. Tansey	1,000.00	2.50	Collector
21	Hazel C. Killam	1,000.00	2.50	Cashier
22	Christine Cheney	1,000.00	2.50	Ledger Clerk
24	John W. Babine	1,000.00	2.50	St. Light Service
25	Kathleen H. Merritt	1,000.00	2.50	Ledger Clerk
26	E. E. Harnden	1,000.00	2.50	Salesman
27	Ruth Westcott	1,000.00	2.50	Stenographer
29	Ralph G. Babcock	1,000.00	2.34	Office Manager
30	Benjamin J. Downs	1,000.00	2.34	Meter Reader
31	Leonard C. Whittredge	1,000.00	1.85	Bookkeeper
32	Doris S. Parker	1,000.00	1.85	Clerk
33	Joseph B. MacMahon	1,000.00	1.85	Collector—Wilmington
34	Harold Metcalf	1,000.00	1.25	Meter Reader
35	Elsie R. Davis	1,000.00	1.06	Demonstrator
36	Merrill P. Reed	1,000.00	1.04	Service Department
37	Frank J. Burke	1,000.00	.91	Salesman
		<hr/>	<hr/>	
		\$23,000.00	\$49.49	

ANNUAL REPORT  
OF THE  
TOWN ACCOUNTANT

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RECEIPTS AND EXPENDITURES

For the Year Ended December 31

1928



## REPORT OF TOWN ACCOUNTANT

### Receipts for 1928

Grace V. Viall, Collector

Taxes: Poll .....	\$ 5,284.00	
Personal Estate .....	52,020.74	
Real Estate .....	441,802.07	
Interest on Taxes .....	5,832.67	
Moth Assessments .....	913.00	
Sewer Assessments and Interest ..	2,645.68	
Sewer Rentals .....	8,271.30	
Sidewalk Assessments .....	177.71	
Summons, Costs and Charges, less fees .....	577.19	
Redemption of property, including interest and costs .....	746.45	
		\$518,270.81

Preston F. Nichols, Treasurer

Interests on deposits .....	\$ 1,672.93
Interest accrued .....	158.68
Moth and Tree Work 1927-1928 .....	1,974.00
Sidewalk Work 1928 .....	146.65
Curbing Work 1928 .....	85.96
Tax Titles: Redemption Taxes on property taken .....	7,818.41
Sewer Assessment on property taken 1929-1931 .....	20.79
Interests and costs on property taken .....	2,486.94
Cemetery Bequest Fund:	
Bequests .....	2,607.00
Income .....	1,260.00
For Transfer .....	1,842.28
Hospital Fund:	
Income .....	4,758.50
For Transfer .....	500.00
Reading High School Scholarship Fund:	
Income .....	150.00
For Transfer .....	100.00
Loans, Anticipation of Revenue .....	465,000.00

Municipal Light Department:		
Account Cash Advanced .....	1,229.62	
Lighting Tax Reimbursement .....	102.89	
Insurance Reimbursement .....	754.29	
Water Department:		
Insurance Reimbursement .....	205.68	
	<hr/>	\$492,874.62
County of Middlesex, Dog Tax .....		\$1,338.34
Commonwealth of Massachusetts:		
Income Tax .....	\$ 52,770.00	
Corporation Tax .....	10,662.14	
National Bank Tax .....	1,907.29	
Trust Company Tax .....	861.14	
Street Railway Tax .....	909.90	
Soldiers' Exemption .....	36.77	
State Aid .....	258.00	
Military Aid .....	110.00	
Soldiers' Burial .....	100.00	
	<hr/>	\$ 67,615.24
Board of Selectmen: Licenses, Etc.:		
Second-Hand Motor Vehicles .....	\$ 175.00	
Motor Bus, 1927 .....	40.00	
Motor Bus, 1928 .....	110.00	
Taxi-Cab .....	14.50	
Truck .....	23.00	
Victualers .....	29.00	
Lord's Day .....	177.00	
Inn Holder .....	1.00	
Third Class Liquor .....	1.00	
Theatre .....	5.00	
Auctioneers .....	4.00	
Junk Dealers .....	75.00	
Bowling and Pool .....	20.00	
Revolver .....	23.00	
Amusement .....	35.00	
Peddlers .....	10.00	
Transfers .....	11.00	
Advertising Hearings .....	50.00	
	<hr/>	\$ 803.50
Rents Municipal Property .....		\$ 734.00
Police Department:		
Court Fines .....	\$ 643.00	
Sale of Auto, etc. ....	66.62	
	<hr/>	\$ 709.62

## Fire Department:

Sale of Material, Etc. ....	\$	17.75
Sealer of Weights and Measures:		
Fees .....		72.08

## Commonwealth of Massachusetts:

Peddlers' Licenses .....		42.00
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## Board of Health Licenses, Etc.:

Hair Dressers .....	\$	13.00
Masseuse .....		1.00
Denatured Alcohol .....		9.00
Slaughtering .....		100.00
Undertakers .....		2.00
Milk and Oleo .....		25.00
Contagious Diseases Account .....		42.00
	<hr/>	\$ 192.00

## Board of Public Works:

## Commonwealth of Massachusetts

Highway Division .....	\$	17.67
Sundry Receipts .....		44.90
	<hr/>	\$ 62.57

## Board of Public Welfare:

## Commonwealth of Massachusetts

Mothers' Aid .....	\$	651.72
Temporary Aid .....		3,453.68
Commonwealth of Massachusetts and Cities and Towns reimbursements .....		1,998.54
Hospital Fund .....		529.55
Sundry Receipts .....		219.43
	<hr/>	\$ 6,852.92

## Soldiers' Relief Account:

Hospital Fund .....	\$	651.00
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## School Department:

## Commonwealth of Massachusetts

Tuition State Wards .....	3,140.81
Town of North Reading Tuition .....	5,238.17
City of Melrose .....	25.58
Town of Wakefield .....	124.23
City of Boston Tuition City Wards ...	1,063.69
Sundry Parties Tuition .....	344.00
Commonwealth of Massachusetts	
Account of Agricultural Department	1,122.82
Commonwealth of Massachusetts	
Vocational Education .....	136.66

Smith-Hughes Fund .....	161.78	
Sundry Receipts .....	23.85	
	<hr/>	\$ 11,381.59
Public Library:		
Fines, Etc. ....		\$ 422.00
Special Fund (Gifts) .....		72.60
Cemetery Department:		
Sales Lots and Graves .....	\$ 2,182.50	
Interest on deferred payments .....	6.52	
Care Lots and Graves .....	3,968.30	
Cemetery Bequest Fund for care .....	1,842.28	
Geo. F. Buck Fund for signs .....	48.12	
	<hr/>	\$ 8,047.72
Guarantee Deposits:		
Sewer House Connections .....	\$ 1,822.66	
Curbing Construction .....	522.62	
Sidewalk Work .....	823.61	
	<hr/>	\$ 3,168.89
Water Department:		
Meter Rates, Etc. ....		\$ 53,613.46
Municipal Light Department:		
Light and Power Rates, Etc. ....		270,092.98
Insurance—Rebates on Premiums, Sundry Departments .....		802.87
Edison Electric Illuminating Co. in lieu of taxes 1927 .....		588.05
Sale of Land taken for taxes (2 parcels) ....		250.00
Sale of Land, First Congregational Church ...		748.25
Other receipts:		
Sale Hose House .....	\$ 50.00	
Board of Assessors .....	18.00	
Collector of Taxes .....	18.00	
Cemetery Department .....	30.00	
Board of Health Contagious Diseases .....	5.00	
Unidentified Cash .....	2.00	
	<hr/>	\$ 123.00
Refunds:		
School Department .....	\$ 2.00	
Soldiers' Relief Account .....	35.00	
Cemetery Department		
Laurel Hill .....	4.00	

Forest Glen .....	2.00	
Library Department .....	4.81	
		<hr/> \$ 47.81
Total Receipts .....		<hr/> \$1,439,595.67

## PAYMENTS

### GENERAL GOVERNMENT

Selectmen's Expenses .....	\$ 234.82
Selectmen's Clerical .....	1,310.00
Town Accountant's Salary .....	2,000.00
Treasurer's Salary .....	1,200.00
Treasurer's Expenses .....	710.13
Collector's Salary .....	2,000.00
Collector's Expenses .....	1,043.23
Collector's Clerical .....	197.75
Assessors' Salaries .....	1,800.00
Assessors' Expenses .....	1,395.97
Assessors' Clerical .....	2,200.00
Block System Survey .....	53.00
Town Counsel's Salary .....	500.00
Town Counsel's Expenses .....	46.52
Town Clerk's Salary .....	350.00
Town Clerk's Expenses .....	579.61
Bd. of Pub. Wks. Sal. and Off. Exp. ....	5,200.00
Registrars' Salaries .....	250.00
Election and Registration Expenses .....	1,705.82
	<hr/> \$ 22,826.85

### GENERAL ACCOUNTS

Miscellaneous Expenses .....	\$ 2,403.17
Municipal Building Maintenance .....	3,292.84
Fire Stations, Maintenance .....	1,098.99
Victory House, Light .....	106.04
G. A. R. Rooms, Light .....	11.88
Insurance .....	6,703.74
Interest .....	27,482.92
Maturing Debt, not including Water, Light or Sewer .....	56,000.00
Planning Board Expenses .....	15.00
	<hr/> \$ 97,114.58



**PROTECTION OF PERSONS AND PROPERTY**

Police Dept., Maintenance .....	\$ 2,992.16
Police Dept., Salaries .....	25,309.02
Police Dept., Special Officers .....	415.24
Fire Dept., Maintenance .....	2,205.79
Fire Dept., Salaries .....	17,375.15
Fire Dept., Call Men, Salaries .....	3,365.00
Fire Alarm, Maintenance and New Boxes .....	1,152.30
Moth Dept., Maintenance .....	5,992.71
Tree Warden, Maintenance .....	1,988.38
Forest Warden, Maintenance .....	384.58
Hydrant Rentals .....	7,875.00
Drinking Fountains .....	100.00
Inspector of Buildings, Salary .....	500.00
Inspector of Wires, Salary .....	100.00
Sealer of W. and M., Salary .....	400.00
Sealer of W. and M., Expenses .....	174.72
	<hr/>
	\$ 70,330.05

**HEALTH AND SANITATION**

Board of Health, Salaries .....	\$ 300.00
Board of Health, Expenses .....	711.86
Inspector of Plumbing, Salary .....	800.00
Inspector of Animals, Salary .....	200.00
Inspector of Milk, Salary .....	100.00
Care of Contagious Diseases .....	1,832.25
Garbage Collection .....	2,300.00
	<hr/>
	\$ 6,244.11

**HIGHWAYS**

Highway Dept., Maintenance .....	\$ 44,644.24
Sidewalk Construction .....	5,000.00
Snow and Ice Removal .....	3,536.85
Cleaning Drainage Ditches .....	3,000.00
Drainage System .....	11,035.00
	<hr/>
	\$ 67,216.09
Street Lighting .....	\$ 13,500.00

**CHARITIES AND AID**

Board of Public Welfare:	
Visitor's Salary .....	\$ 400.00
Clerical Salary .....	352.00
Aid, Board and Care .....	10,391.48
Mothers' Aid .....	3,427.50

Temporary Aid .....	2,967.94	
	<hr/>	\$ 17,538.92

**SOLDIERS' BENEFITS**

State Aid .....	\$ 174.00	
Military Aid .....	683.00	
Soldiers' Relief .....	5,742.86	
	<hr/>	\$ 6,599.86

**EDUCATION**

## School Department:

General Maintenance .....	\$ 47,693.57	
General Salaries .....	166,288.41	
Agricultural Maintenance .....	56.34	
Agricultural Salaries .....	2,379.34	
Industrial Tuition .....	294.75	
	<hr/>	\$216,712.41
Public Library Maintenance .....	\$ 3,226.33	
Public Library Salaries .....	4,207.66	
	<hr/>	\$ 7,433.99

**RECREATION**

Park Dept., Maintenance .....	\$ 2,000.00
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**CEMETERIES**

Laurel Hill Cemetery, Maintenance .....	\$ 10,785.85	
Forest Glen Cemetery, Development .....	509.65	
	<hr/>	\$ 11,295.50

**MEMORIAL DAY**

Memorial Day Observance .....	\$ 442.80
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**OTHER PAYMENTS**

G. A. R. Rooms, Rent .....	\$ 360.00
Care Soldiers' Graves .....	500.00
Child Welfare Work .....	300.00
Middlesex Co. Bur. of Agri. ....	100.00
Victory House, Maintenance .....	499.68
Sundry Payments, unclassified .....	70.64
Junior High School Building .....	282.19
Sewer Dept., Maintenance .....	12,075.62
Sewer Dept., House Connections .....	1,749.62
Water Dept., Maintenance, etc. ....	50,244.57
Water Mains Extension .....	3,353.92
Municipal Light Dept., Maintenance, etc. ....	271,433.15
State Taxes .....	21,795.65
County Tax .....	21,112.14

Metropolitan Sewer Assessments .....	12,679.35
Temporary Loans, Ant. of Rev. ....	465,000.00
Cemetery Bequest Fund Transfer .....	5,709.28
Hospital Fund Transfer .....	5,258.50
Reading High Sch. Scholarship Fund, Transfer	250.00
Smith-Hughes Fund Agricultural Salaries ....	197.98
Mineral Street Bridge .....	4,700.00
Land Damages .....	191.98
Painting Stand Pipe .....	200.00
Guaranteed Deposits Refunds .....	175.43
Refunds, 1927-1928 Taxes .....	520.82
	<hr/>
	\$878,760.52
	<hr/>
Total Payments .....	\$1,418,015.68

### TREASURER'S CASH

Balance on hand Jan. 1, 1928 .....	\$ 22,849.59
Receipts, 1928 .....	1,439,595.67
	<hr/>
	\$1,462,445.26
Payments, 1928 .....	1,418,015.68
	<hr/>
Balance on hand, Dec. 31, 1928 .....	\$ 44,429.58

### APPROPRIATIONS FOR 1928

#### GENERAL GOVERNMENT

Selectmen's Expenses .....	\$ 300.00
Selectmen's Clerical .....	1,310.00
Town Accountant's Salary .....	2,000.00
Treasurer's Salary .....	1,200.00
Treasurer's Expenses .....	500.00
Collector's Salary .....	2,000.00
Collector's Expenses .....	1,000.00
Collector's Clerical .....	200.00
Assessors' Salaries .....	1,800.00
Assessors' Expenses .....	1,400.00
Assessors' Clerical .....	2,200.00
Block System Survey .....	100.00
Town Counsel's Salary .....	500.00
Town Counsel's Expenses .....	100.00
Town Clerk's Salary .....	350.00
Town Clerk's Expenses .....	600.00
Board of Pub. Wks. Sal. and Off. Exp. ....	5,200.00

Registrars' Salaries .....	250.00	
Election and Registration Expenses .....	1,000.00	
		<hr/> \$ 22,010.00

**GENERAL ACCOUNTS**

Miscellaneous Expenses .....	\$ 2,500.00	
Municipal Bldg., Maintenance .....	2,800.00	
Fire Stations, Maintenance and Repairs .....	1,000.00	
Victory House, Light .....	150.00	
G. A. R. Rooms, Light .....	25.00	
Insurance .....	5,000.00	
Interest .....	27,000.00	
Maturing Debt from Tax Levy .....	41,000.00	
		<hr/> \$ 79,475.00

**PROTECTION OF PERSONS AND PROPERTY**

Police Dept., Maintenance .....	\$ 2,300.00	
Police Dept., Salaries .....	25,361.00	
Police Dept., Special Officers .....	300.00	
Fire Dept., Maintenance .....	2,300.00	
Fire Dept., Salaries .....	17,375.15	
Fire Dept., Call Men Salaries .....	3,367.00	
Fire Alarm, Maintenance .....	800.00	
Moth Dept., Maintenance .....	6,000.00	
Tree Warden, Maintenance .....	2,000.00	
Forest Warden, Maintenance .....	500.00	
Inspector of Buildings, Salary .....	500.00	
Inspector of Wires, Salary .....	100.00	
Sealer of W. and M., Salary .....	400.00	
Sealer of W. and M., Expenses .....	150.00	
		<hr/> \$ 61,453.15
Hydrant Rentals .....	\$ 7,875.00	
Drinking Fountains .....	100.00	
		<hr/> \$ 7,975.00

**HEALTH AND SANITATION**

Board of Health, Salaries .....	\$ 300.00	
Board of Health, Expenses .....	600.00	
Inspector of Plumbing, Salary .....	800.00	
Inspector of Animals, Salary .....	200.00	
Inspector of Milk, Salary .....	100.00	
Care of Contagious Diseases .....	2,000.00	
Garbage Collection .....	2,300.00	
		<hr/> \$ 6,300.00

**HIGHWAYS**

Highway Dept., Maintenance .....	\$ 45,000.00	
Sidewalk Construction .....	5,000.00	
Snow and Ice Removal .....	5,000.00	
Maintenance of Storm Drains .....	3,000.00	
	<hr/>	\$ 58,000.00
Street Lighting .....		\$ 13,500.00

**CHARITIES AND AID**

## Board of Public Welfare:

Visitor's Salary .....	\$ 400.00	
Clerical Salary .....	352.00	
Aid, Board and Care .....	10,000.00	
Mothers' Aid .....	4,000.00	
Temporary Aid .....	2,500.00	
	<hr/>	\$ 17,252.00

**SOLDIERS' BENEFITS**

State Aid .....	\$ 300.00	
Military Aid .....	700.00	
Soldiers' Relief .....	4,000.00	
	<hr/>	\$ 5,000.00

**EDUCATION**

## School Department:

General Maintenance .....	\$ 49,650.00	
General Salaries .....	169,500.00	
Agricultural Maintenance .....	500.00	
Agricultural Salaries .....	2,737.50	
Industrial Tuition .....	800.00	
	<hr/>	\$223,187.50
Public Library, Maintenance .....	\$ 3,200.00	
Public Library, Salaries .....	4,230.00	
	<hr/>	\$ 7,430.00

**RECREATION**

Park Dept., Maintenance .....	\$ 2,000.00	
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**CEMETERIES**

Laurel Hill Cemetery, Maintenance .....	\$ 8,900.00	
Forest Glen Cemetery, Development .....	750.00	
	<hr/>	\$ 9,650.00

**MEMORIAL DAY**

Memorial Day Observance .....	\$ 500.00	
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**OTHER APPROPRIATIONS**

Storm Water Drainage .....	\$ 10,000.00	
Mineral Street Bridge .....	9,000.00	
Child Welfare Work .....	300.00	
Middlesex Co. Bu. of Agri. ....	100.00	
Maintenance Victory House .....	500.00	
Rent G. A. R. Rooms .....	360.00	
Care Soldiers' Graves .....	500.00	
Land Damages .....	200.00	
Land Damages .....	50.00	
Painting Standpipe .....	200.00	
	<hr/>	\$ 21,210.00
Total Appropriations from Tax Levy .....		\$534,942.65

**APPROPRIATIONS NOT FROM TAX LEVY**

Reserve Fund from E. and D. Account .....	\$ 3,000.00	
Reserve Fund from Overlay Account .....	2,000.00	
Maturing Debt from E. and D. Account .....	15,000.00	
Overdrafts, 1927 from E. and D. Account .....	3,374.67	
	<hr/>	\$ 23,374.67

**RECAPITULATION**

Town Expenses, Debt, Etc. ....	\$534,942.65	
State Taxes and Assessments .....	34,475.00	
County Taxes .....	21,112.14	
	<hr/>	\$590,529.79
Overlay .....		3,766.49
		<hr/>
		\$594,296.28

**VALUATION****1928**

Real Estate .....	\$ 13,463,780.00
Personal Estate ....	1,573,345.00
	<hr/>
Total Valuation ....	\$ 15,037,125.00
Assessed @ \$33.50:	
Real Estate Tax ....	451,039.67
Personal Estate .....	52,712.61
	<hr/>
	\$ 503,752.28
Poll Tax @ \$2.00 ....	5,544.00
	<hr/>
	\$ 509,296.28

**APPROPRIATIONS**

Town Purposes ..	\$ 534,942.65
State and County	
Taxes, Etc. ...	55,587.14
Overlay .....	3,766.49
	<hr/>
	\$594,296.28
	<hr/>
Less Est. Receipts	85,000.00
	<hr/>
	\$509,296.28

**December Commitment**

Real Estate .....	\$ 2,900.00	Real Est. Tax .....	\$ 97.15
Personal Estate	300.00	Personal Estate Tax ..	10.05
	<hr/>		<hr/>
	\$ 3,200.00		\$ 107.20

**STATE AND COUNTY TAXES, ASSESSMENTS, ETC.****1928**

Commonwealth of Massachusetts:

State Tax .....	\$ 18,105.00	
State Highway Tax .....	3,469.05	
Fire Prevention Tax .....	118.71	
Municipal Lighting Tax .....	102.89	
Metropolitan Sewerage Assessments .....	12,679.35	
County of Middlesex, County Taxes .....	21,112.14	
	<hr/>	\$ 55,587.14

**Accounting Taxes and Assessments****TAXES, 1925**

Balance uncollected, Jan. 1, 1928 .....	\$ 521.10	
Collected 1928 .....		\$ 171.00
Abatements .....		350.10
	<hr/>	<hr/>
	\$ 521.10	\$ 521.10

**TAXES 1926**

Balance uncollected Jan. 1, 1928 .....	\$ 170.62	
Collected 1928 .....		\$ 44.14
Abatements .....		126.48
	<hr/>	<hr/>
	\$ 170.62	\$ 170.62

**TAXES 1927**

Balance uncollected Jan. 1, 1928 .....	\$155,628.76	
Additional Commitment .....	2.00	
Adjustments .....	1.40	
Collected 1928 .....		\$150,550.52
Abatements .....		899.87
Transfers to Tax Titles .....		3,982.20
Balance to 1929 .....		199.57
	<hr/>	<hr/>
	\$155,632.16	\$155,632.16

**TAXES, 1928**

Commitments, 1928 .....	\$509,406.28	
Commitment December .....	107.20	
Collected .....		\$348,341.15
Abatements .....		1,924.92
Transfer to Tax Titles .....		3,573.15
Balance to 1929 .....		155,674.26
	<hr/>	<hr/>
	\$509,513.48	\$509,513.48

**MOTH 1927**

Balance uncollected Jan. 1, 1928 .....	\$ 322.75	
Collected 1928 .....		\$ 322.25
Adjustment .....		.50
	<hr/>	<hr/>
	\$ 322.75	\$ 322.75

**MOTH 1928**

Commitment .....	\$ 967.00	
Collected 1928 .....		\$ 590.75
Balance to 1929 .....		376.25
	<hr/>	<hr/>
	\$ 967.00	\$ 967.00

**SIDEWALK ASSESSMENT 1928**

Commitment 1928 .....	\$ 177.71	
Collected 1928 .....		\$ 177.71
	<hr/>	<hr/>
	\$ 177.71	\$ 177.71

**SEWER ASSESSMENT****Unapportioned**

Balance uncollected Jan. 1, 1928 .....	\$ 153.75	
Betterments assessed in 1928 .....	510.58	
Collected in 1928 .....		\$ 153.75
Apportioned .....		180.50
Abatement .....		55.40
Balance to 1929 .....		274.68
	<hr/>	<hr/>
	\$ 664.33	\$ 664.33

**SEWER ASSESSMENT****Apportionment of 1927**

Balance uncollected Jan. 1, 1928 .....	\$ 716.66	
Collected 1928 .....		\$ 700.62
Transfer to Tax Title Account .....		16.04
	<hr/>	<hr/>
	\$ 716.66	\$ 716.66

**SEWER ASSESSMENTS****Apportionment of 1928**

Commitment 1928 .....	\$ 1,808.76	
Collected 1928 .....		\$ 1,015.28
Transfer to Tax Titles .....		16.04
Balance to 1929 .....		777.44
	<hr/>	<hr/>
	\$ 1,808.76	\$ 1,808.76

**INTEREST ON SEWER ASSESSMENTS**

Balance uncollected Jan. 1, 1928 .....	\$ 201.32	
Commitment 1928 .....	455.13	
Additional charges .....	47.69	
Adjustment .....	.81	
Collected .....		\$ 504.13
Transfer to Tax Titles Account .....		6.59
Transfer to Adjustment .....		5.07
Balance to 1929 .....		189.16
	<hr/>	<hr/>
	\$ 704.95	\$ 704.95

**SEWER ASSESSMENTS****Apportioned Receivable—Deferred Payments 1928 to 1936**

Balance uncollected Jan. 1, 1928 .....	\$ 7,708.43	
Assessments 1928 .....	138.50	
Receipts 1928 Advanced Payments .....		\$ 250.69
Committed to Collector, 1928 .....		1,808.76
Balance Dec. 31, 1928 .....		5,787.48
	<hr/>	<hr/>
	\$ 7,846.93	\$ 7,846.93

**SEWER RENTALS**

Balance uncollected Jan. 1, 1928 .....	\$ 119.40	
Charged in 1928 .....	8,488.80	
Collected in 1928 .....		\$ 8,271.30
Abatements .....		11.70
Transfer to Tax Titles Account .....		17.70
Balance to 1929 .....		307.50
	<hr/>	<hr/>
	\$8,608.20	\$ 8,608.20

**OVERLAY 1925**

Balance Jan. 1, 1928 .....		\$ 521.10
Abatements 1928 .....	\$ 350.10	
Transfer to Overlay Reserve .....	171.00	
	<hr/>	<hr/>
	\$ 521.10	\$ 521.10

**OVERLAY 1926**

Balance Jan 1, 1928 .....		\$	170.62
Abatements 1928 .....	\$	126.48	
Transfer to Overlay Reserve Fund .....		44.14	
		<hr/>	<hr/>
	\$	170.62	\$ 170.62

**OVERLAY 1927**

Balance Jan. 1, 1928 .....		\$	1,166.44
Refunds 1928 .....	\$	242.76	
Abatements 1928 .....		899.67	
Balance to 1929 .....		24.01	
		<hr/>	<hr/>
	\$	1,166.44	\$ 1,166.44

**OVERLAY 1928**

Appropriation .....		\$	3,766.49
Refunds .....	\$	278.06	
Abatements .....		1,924.92	
Balance to 1929 .....		1,563.51	
		<hr/>	<hr/>
	\$	3,766.49	\$ 3,766.49

**OVERLAY RESERVE FUND**

Balance Jan. 1, 1928 .....		\$	2,303.94
Transfer from Overlay, 1925 .....			171.00
Transfer from Overlay, 1926 .....			44.14
Transfer from E. and D. Account .....			431.16
Transfer to Reserve Fund .....	\$	2,000.00	
Balance to 1929 .....		950.24	
		<hr/>	<hr/>
	\$	2,950.24	\$ 2,950.24

**DEPARTMENTAL ACCOUNTS****Receivable**

Balance Jan. 1, 1928 .....		\$	11,007.65
Charges in 1928 .....			32,787.28
Received in 1928 .....	\$	25,716.95	
Credits, Etc. ....		574.56	
Committed to Collector 1928 .....		1,144.71	
Balance to 1929 .....		16,358.71	
		<hr/>	<hr/>
	\$	43,794.93	\$ 43,794.93

**WATER DEPARTMENT****Accounts Receivable**

Dr.

Balance Jan. 1, 1928 .....	\$	377.41
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Meter Rates, Etc., Charged in 1928 .....	54,093.76	
Cr.		
Receipts 1928 .....		\$ 53,613.46
Discounts, Etc. ....		500.25
Balance Dec. 31, 1928 .....		357.46
	<hr/>	<hr/>
	\$ 54,471.17	\$ 54,471.17

### MUNICIPAL LIGHT DEPARTMENT

#### Accounts Receivable

Dr.		
Balance Jan. 1, 1928 .....	\$ 35,430.19	
Light, Power, Etc., charged 1928 .....	289,649.55	
Cr.		
Receipts, 1928 .....		\$270,092.98
Discounts and Adjustments .....		20,625.95
Balance Dec. 31, 1928 .....		34,360.81
	<hr/>	<hr/>
	\$325,079.74	\$325,079.74

### CEMETERY RESERVE FUND

Cr.		
Balance Jan 1, 1928 .....	\$ 1,876.20	
Receipts, Sale Lots and Graves and Int. ....		2,189.02
Dr.		
Refund .....	\$ 25.00	
Balance to 1929 .....	4,040.22	
	<hr/>	<hr/>
	\$ 4,065.22	\$ 4,065.22

### TAX TITLES (HELD BY TOWN)

Dr.		
Outstanding Jan. 1, 1928 .....	\$ 7,936.90	
Adjustments .....	1,635.29	
Taxes, Etc. on property taken .....	6,299.48	
Cr.		
Receipts for redemption .....		\$ 8,554.86
Adjustments .....		780.73
Outstanding Dec. 31, 1928 .....		6,536.08
	<hr/>	<hr/>
	\$ 15,871.67	\$ 15,871.67

### RESERVE FUND

Cr.		
Appropriation .....		\$ 5,000.00

Dr.

Transfers to Sundry Accounts .....	\$ 4,995.39	
Balance to Revenue .....	4.61	
	<hr/>	<hr/>
	\$ 5,000.00	\$ 5,000.00

**EXCESS AND DEFICIENCY ACCOUNT**

Cr.

Balance from 1927 .....		\$ 27,763.41
Receipts, Redemption of Property .....		8,429.87
Transfers, Etc. ....		36,732.45
Adjustment .....		.90

Dr.

Appropriations, 1928 .....	\$ 21,374.67	
Adjustments .....	568.61	
To Tax Titles Revenue .....	7,417.90	
Balance to 1929 .....	43,565.45	
	<hr/>	<hr/>
	\$ 72,926.63	\$ 72,926.63

**APPROPRIATION ACCOUNTS****Selectmen's Expenses**

Cr.

Appropriation .....		\$ 300.00
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Dr.

Stationary and Postage .....	\$ 20.12	
Printing and Advertising .....	146.40	
Telephone .....	93.25	
All Other .....	25.05	

Total Payments .....	\$ 284.82	
Balance to Revenue .....	15.18	

<hr/>	<hr/>
\$ 300.00	\$ 300.00

**Selectmen's Clerical**

Cr.

Appropriation .....		\$ 1,310.00
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Dr.

Leon G. Bent .....	\$ 1,310.00	
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<hr/>	<hr/>
\$ 1,310.00	\$ 1,310.00

**Town Accountant's Salary**

Cr.

Appropriation .....		\$ 2,000.00
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	Dr.		
Leon G. Bent .....	\$	2,000.00	
	\$	2,000.00	\$ 2,000.00

**Treasurer's Salary**

	Cr.		
Appropriation .....			\$ 1,200.00
	Dr.		
Preston F. Nichols .....	\$	1,200.00	
	\$1,200.00		\$ 1,200.00

**Treasurer's Expenses**

	Cr.		
Appropriation .....		\$	500.00
Transfer from Reserve Fund .....			210.13
	Dr.		
Stationary and Postage .....	\$	67.22	
Land Court Expense .....		216.50	
Certification of Notes .....		34.00	
Bond .....		220.00	
Telephone .....		70.44	
All Other .....		101.97	
Total Payments .....	\$	710.13	\$ 710.13

**Tax Collector's Salary**

	Cr.		
Appropriation .....			\$ 2,000.00
	Dr.		
Grace V. Viall .....	\$	2,000.00	
	\$ 2,000.00		\$ 2,000.00

**Tax Collector's Expenses**

	Cr.		
Appropriation .....		\$	1,000.00
Transfer from Reserve Fund .....			50.00
	Dr.		
Stationary and Postage .....	\$	155.97	
Printing and Advertising .....		117.03	
Bond .....		440.00	
Office Equipment .....		171.00	
Registry of Deeds .....		59.40	
Telephone .....		53.05	

All Others .....	46.78		
Total Payments .....	\$ 1,043.23		
Balance to Revenue .....	6.77		
	<hr/>	<hr/>	
	\$ 1,050.00	\$	1,050.00

**Tax Collector's Clerical**

	Cr.		
Appropriation .....		\$	200.00
	Dr.		
Various Parties .....	\$ 197.75		
Balance to Revenue .....	2.25		
	<hr/>	<hr/>	
	\$ 200.00	\$	200.00

**Board of Assessors' Salaries**

	Cr.		
Appropriation .....		\$	1,800.00
	Dr.		
Alvah W. Clark .....	\$ 600.00		
Geo. E. Horrocks .....	600.00		
J Fred Richardson .....	600.00		
	<hr/>	<hr/>	
	\$ 1,800.00	\$	1,800.00

**Board of Assessors' Expenses**

	Cr.		
Appropriation .....		\$	1,400.00
	Dr.		
Assistant Assessors .....	\$ 97.50		
Other Clerical .....	198.25		
Stationary and Printing .....	136.64		
Printing Poll List .....	560.00		
Auto Hire .....	69.00		
Telephone .....	48.92		
Transfers .....	46.30		
Office Equipment .....	171.00		
All Other .....	68.36		
	<hr/>	<hr/>	
Total Payments .....	\$ 1,395.97		
Balance to Revenue .....	4.03		
	<hr/>	<hr/>	
	\$ 1,400.00	\$	1,400.00

**Board of Assessors' Clerical**

<b>Cr.</b>			
Appropriation .....		\$	2,200.00
<b>Dr.</b>			
Christine F. Atkinson .....	\$	1,300.00	
Philomena C. Doucette .....		900.00	
		<hr/>	
	\$	2,200.00	\$ 2,200.00

**Block System Survey**

<b>Cr.</b>			
Appropriation .....		\$	100.00
<b>Dr.</b>			
Davis & Abbott .....	\$	53.00	
Balance to 1929 .....		47.00	
		<hr/>	
	\$	100.00	\$ 100.00

**Town Counsel's Salary**

<b>Cr.</b>			
Appropriation .....		\$	500.00
<b>Dr.</b>			
Melville F. Weston .....	\$	500.00	
		<hr/>	
	\$	500.00	\$ 500.00

**Town Counsel's Expenses**

<b>Cr.</b>			
Appropriation .....		\$	100.00
<b>Dr.</b>			
Clerical .....	\$	25.00	
All Other .....		21.52	
		<hr/>	
Total Payments .....	\$	46.52	
Balance to Revenue .....		53.48	
		<hr/>	
	\$	100.00	\$ 100.00

**Town Clerk's Salary**

<b>Cr.</b>			
Appropriation .....		\$	350.00
<b>Dr.</b>			
Millard F. Charles .....	\$	350.00	
		<hr/>	
	\$	350.00	\$ 350.00



**Town Clerk's Expenses**

Cr.			
Appropriation .....		\$	600.00
Dr.			
Canvassing Births .....	\$	65.00	
Recording, Etc. ....		281.50	
Stationary and Postage .....		56.78	
Reporting Returns .....		26.75	
Bond .....		8.50	
Clerical Assistance .....		69.75	
All Other .....		71.33	
Total Payments .....		\$	579.61
Balance to Revenue .....			20.39
		\$	600.00
		\$	600.00

**Board of Public Works**

Cr.			
Appropriation .....		\$	5,200.00
Dr.			
Superintendent's Salary .....	\$	3,300.00	
Clerical .....		1,300.00	
Bonds .....		34.50	
Stationary, Etc. ....		172.42	
Postage and Advertising .....		89.82	
Telephone .....		201.67	
Insurance .....		34.63	
All Other .....		66.96	
		\$	5,200.00
		\$	5,200.00

**Miscellaneous Expenses**

Cr.			
Appropriation .....		\$	2,500.00
Dr.			
Printing Town Reports .....	\$	1,264.00	
Stationary and Printing, Accounting Dept. ....		355.89	
Office Equipment .....		151.00	
Old South Clock and Reading Sign, care and lighting .....		352.66	
Richardson House Expense .....		64.99	
Finance Com. Expense .....		114.90	
Board of Appeal Expense .....		31.63	
Inspector of Buildings, Expense .....		14.55	

Inspector of Wires, Expense .....	9.50	
All Other .....	44.05	
		<hr/>
Total Payments .....	2,403.17	
Balance to Revenue .....	96.83	
		<hr/>
	\$ 2,500.00	\$ 2,500.00

**Board of Registrars' Salaries**

	Cr.		
Appropriation .....		\$	250.00
	Dr.		
Walter S. Prentiss .....	\$	60.00	
Owen McKenney .....		60.00	
Preston F. Nichols .....		25.00	
Robert S. Ralston .....		35.00	
Millard F. Charles, Clerk .....		70.00	
		<hr/>	
	\$	250.00	\$ 250.00

**Election Expenses**

	Cr.		
Appropriation .....		\$	1,000.00
Transfer from Reserve Fund .....			709.12
	Dr.		
Election Officers .....	\$	1,106.54	
Rent of Hall .....		236.00	
Printing .....		165.03	
Installing Booths and Additional Equipment ..		159.22	
All Other .....		39.03	
		<hr/>	
Total Payments .....	\$	1,705.82	
Balance to Revenue .....		3.30	
		<hr/>	
	\$	1,709.12	\$ 1,709.12

**Municipal Building, Maintenance**

	Cr.		
Appropriation .....		\$	2,800.00
Transfer from Reserve Fund .....			500.00
	Dr.		
Janitor's Services .....	\$	1,040.00	
Fuel .....		179.80	
Light .....		737.84	
Water and Sewer .....		58.25	
Repairs and Equipment .....		1,035.49	

Supplies .....	113.88	
Boiler Insurance .....	109.85	
All Other .....	17.73	
	<hr/>	
Total Payments .....	\$ 3,292.84	
Balance to Revenue .....	7.16	
	<hr/>	
	\$ 3,300.00	\$ 3,300.00

**Fire Stations, Maintenance**

Cr.

Appropriation .....	\$ 1,000.00
Transfer from Reserve Fund .....	100.00

Dr.

Fuel .....	\$ 310.68
Light .....	303.75
Water and Sewer .....	94.90
Repairs .....	240.01
Insurance .....	135.90
All Other .....	13.75

Total Payments .....	\$ 1,098.99
Balance to Revenue .....	1.01

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\$ 1,100.00	\$ 1,100.00
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**Victory House, Lighting**

Cr.

Appropriation .....	\$ 150.00
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Dr.

Municipal Light Dept. ....	\$ 106.04
Balance to Revenue .....	43.96

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\$ 150.00	\$ 150.00
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**G. A. R. Rooms, Lighting**

Cr.

Appropriation .....	\$ 25.00
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Dr.

Municipal Light Dept. ....	\$ 11.88
Balance to Revenue .....	13.12

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\$ 25.00	\$ 25.00
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**G. A. R. Rooms, Rent**

Cr.

Appropriation .....	\$ 360.00
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## Dr.

M. E. Brande .....	\$	360.00	
		<hr/>	
	\$	360.00	\$ 360.00

**Insurance**

## Cr.

Appropriation .....	\$	5,000.00	
Rebates, Return Premiums, Etc. ....		1,762.84	
Transfer from Reserve Fund .....		206.36	

## Dr.

Various Parties, Premiums .....	\$	6,703.74	
Balance to Revenue .....		265.46	
		<hr/>	
	\$	6,969.20	\$ 6,969.20

**Interest**

## Cr.

Appropriation .....	\$	27,000.00	
Transfer from Reserve Fund .....		482.92	

## Dr.

Interest on Temp. Loans .....	\$	7,256.01	
All Other .....		20,226.91	
		<hr/>	
	\$	27,482.92	\$ 27,482.92

**Police Department, Maintenance**

## Cr.

Appropriation .....	\$	2,300.00	
Transfer from Reserve Fund .....		700.00	

## Dr.

Telephone .....	\$	189.77	
Auto and Motor Cycle Expense .....		1,162.90	
Chief's Expenses .....		65.76	
Traffic Signals and Street Lines .....		590.81	
Printing .....		21.95	
Equipment .....		422.29	
Insurance .....		158.38	
All Other .....		380.30	

Total Payments .....	\$	2,992.16	
Balance to Revenue .....		7.84	

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\$ 3,000.00    \$ 3,000.00

**Police Department, Salaries**

Cr.			
Appropriation .....			\$ 25,361.00
Dr.			
Pay Rolls .....	\$ 25,309.02		
Balance to Revenue .....	51.98		
		<hr/>	
	\$ 25,361.00		\$ 25,361.00

**Police Department, Special Police**

Cr.			
Appropriation .....		\$	300.00
Dr.			
Pay Rolls .....	\$ 415.24		
Balance to 1929 .....			115.24
		<hr/>	
	\$ 415.24	\$	415.24

**Fire Department, Maintenance**

Cr.			
Appropriation .....		\$	2,300.00
Dr.			
Telephones .....	\$ 124.24		
Equipment, Repairs and Maintenance .....	1,551.49		
All Other .....	530.06		
		<hr/>	
Total Payments .....	\$ 2,205.79		
Balance to Revenue .....	94.21		
		<hr/>	
	\$ 2,300.00	\$	2,300.00

**Fire Department, Salaries**

Cr.			
Appropriation .....		\$	17,375.15
Dr.			
Pay Rolls .....	\$ 17,375.15		
		<hr/>	
	\$ 17,375.15	\$	17,375.15

**Fire Department, Call Men, Salaries**

Cr.			
Appropriation .....		\$	3,367.00
Dr.			
Pay Rolls .....	\$ 3,365.00		



Balance to Revenue .....	2.00	
	<hr/>	<hr/>
	\$ 3,367.00	\$ 3,367.00

**Fire Alarm, Maintenance**

	Cr.	
Appropriation .....		\$ 800.00
Transfer from Reserve Fund .....		400.00
	Dr.	
Pay Roll .....	\$ 200.39	
Auto Expense .....	118.26	
Material and Supplies .....	797.58	
All Other .....	36.07	
	<hr/>	
Total Payments .....	\$ 1,152.30	
Balance to Revenue .....	47.70	
	<hr/>	<hr/>
	\$ 1,200.00	\$ 1,200.00

**Forest Warden, Maintenance**

	Cr.	
Appropriation .....		\$ 500.00
	Dr.	
Pay Roll .....	\$ 17.25	
Supplies .....	351.03	
All Other .....	16.30	
	<hr/>	
Total Payments .....	\$ 384.58	
Balance to Revenue .....	115.42	
	<hr/>	<hr/>
	\$ 500.00	\$ 500.00

**Moth Department, Maintenance**

	Cr.	
Appropriation .....		\$ 6,000.00
	Dr.	
Pay Roll .....	\$ 4,418.40	
Telephone .....	29.28	
Auto Expense .....	384.18	
Rent .....	96.00	
Material and Supplies .....	658.98	
Insurance .....	322.97	
All Other .....	82.90	
	<hr/>	
Total Payments .....	\$ 5,992.71	

Balance to Revenue ..... 7.29

\$ 6,000.00    \$ 6,000.00

**Tree Warden, Maintenance**

Cr.

Appropriation ..... \$ 2,000.00

Dr.

Pay Roll ..... \$ 1,300.38

Material and Supplies ..... 662.00

All Other ..... 26.00

Total Payments ..... \$ 1,988.38

Balance to Revenue ..... 11.62

\$ 2,000.00    \$ 2,000.00

**Hydrant Rentals**

Cr.

Appropriation ..... \$ 7,875.00

Dr.

Water Dept. ..... \$ 7,875.00

\$ 7,875.00    \$ 7,875.00

**Drinking Fountains**

Cr.

Appropriation ..... \$ 100.00

Dr.

Water Dept. ..... \$ 100.00

\$ 100.00    \$ 100.00

**Inspector of Buildings**

Cr.

Appropriation ..... \$ 500.00

Dr.

A. Russell Barnes ..... \$ 500.00

\$ 500.00    \$ 500.00

**Inspector of Wires**

Cr.

Appropriation ..... \$ 100.00

Dr.

Clarence L. Thomas .....	\$	25.00		
Hugh L. Eames .....		75.00		
			<hr/>	<hr/>
	\$	100.00	\$	100.00

**Sealer of Weights and Measures**

Cr.

Appropriation .....			\$	400.00
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Dr.

Carl M. Smith .....	\$	400.00		
			<hr/>	<hr/>
	\$	400.00	\$	400.00

**Sealer of Weights and Measures, Expenses**

Cr.

Appropriation .....			\$	150.00
Transfer from Reserve Fund .....				25.00

Dr.

Auto Expense .....	\$	136.00		
Insurance .....		15.68		
All Other .....		23.04		

Total Payments .....	\$	174.72		
Balance to Revenue .....		.28		

	\$	175.00	\$	175.00
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**Board of Health, Salaries**

Cr.

Appropriation .....			\$	300.00
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Dr.

E. M. Halligan, M. D., Chairman .....	\$	75.00		
C. H. Playdon, M. D. V. ....		75.00		
C. F. Atkinson, Secretary .....		150.00		

	\$	300.00	\$	300.00
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**Board of Health, Expenses**

Cr.

Appropriation .....			\$	600.00
Transfer from Reserve Fund .....				111.86

Dr.

Supplies .....	\$	28.63		
Labor on Dumps .....		336.52		
Telephone .....		45.41		

Inspection of Slaughtering .....	200.00		
All Other .....	101.30		
	<hr/>	<hr/>	
Total Payments .....	\$ 711.86	\$	711.86

**Inspector of Plumbing**

	Cr.		
Appropriation .....		\$	800.00
	Dr.		
David Taggart .....	\$ 800.00		
	<hr/>	<hr/>	
	\$ 800.00	\$	800.00

**Care of Contagious Diseases**

	Cr.		
Appropriation .....		\$	2,000.00
	Dr.		
Hospital Care .....	\$ 1,580.60		
Medical Attendance .....	216.00		
Supplies .....	35.65		
	<hr/>		
Total Payments .....	\$ 1,832.25		
Balance to Revenue .....	167.75		
	<hr/>	<hr/>	
	\$ 2,000.00	\$	2,000.00

**Garbage Collection**

	Cr.		
Appropriation .....		\$	2,300.00
	Dr.		
Jos. Farpelha .....	\$ 2,300.00		
	<hr/>	<hr/>	
	\$ 2,300.00	\$	2,300.00

**Inspector of Animals**

	Cr.		
Appropriation .....		\$	200.00
	Dr.		
C. H. Playdon, M. D. V. ....	\$ 200.00		
	<hr/>	<hr/>	
	\$ 200.00	\$	200.00

**Inspector of Milk**

	Cr.		
Appropriation .....		\$	100.00

Dr.

Carl M. Smith .....	\$	100.00		
		<hr/>		
	\$	100.00	\$	100.00

**SEWER DEPARTMENT**  
**Construction and Maintenance**

Cr.

Balance from 1927 .....		\$	12,848.16
Receipts 1928 .....			10,916.98
Transfers, Etc. ....			1,586.48

Dr.

Pay Roll .....	\$	2,949.95
Bonds .....		8,000.00
Equipment and Supplies .....		592.60
Repairs .....		19.28
Auto Expense .....		190.04
Insurance .....		227.26
All Other .....		96.49

Total Payments .....	\$	12,075.62
Balance to 1929 .....		13,276.00

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\$	25,351.62	\$	25,351.62
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**SEWER DEPARTMENT**  
**House Connections**

Cr.

Balance from 1927 .....		\$	1,564.67
Receipts 1928, Guarantee Deposits .....			1,822.66

Dr.

Pay Roll .....	\$	875.59
Equipment and Supplies .....		587.86
Auto Expense .....		28.52
Refunds on Deposits .....		211.42
All Other .....		46.23

Total Payments .....	\$	1,749.62
Transfer to Maintenance Account .....		1,437.71
Balance to 1929 .....		200.00

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\$	3,387.33	\$	3,387.33
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**Highway Department**

Cr.

Appropriation .....		\$	45,000.00
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## Dr.

Pay Roll .....	\$ 16,012.25	
Telephone .....	79.56	
Equipment and Repairs .....	5,343.75	
Material and Supplies .....	18,489.62	
Truck and Auto Expense .....	1,566.04	
Insurance .....	1,679.84	
Street Signs .....	567.56	
All Other .....	905.62	
Total Payments .....	\$ 44,644.24	
Balance to Revenue .....	355.76	
	\$45,000.00	\$ 45,000.00

**Sidewalk Construction**

## Cr.

Appropriation .....	\$ 5,000.00
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## Dr.

Pay Roll .....	\$ 1,150.96	
Construction per Contract (Granolithic) .....	1,581.09	
Construction, Repairs per Contract (Tar) .....	1,819.43	
Material .....	422.59	
All Other .....	25.93	
Total Payments .....	\$ 5,000.00	\$ 5,000.00

**Snow and Ice Removal**

## Cr.

Appropriation .....	\$ 5,000.00
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## Dr.

Pay Roll .....	\$ 1,653.95	
Plowing and Hauling .....	484.50	
Equipment and Repairs .....	1,101.78	
Truck and Auto Expense .....	167.73	
Material .....	96.51	
All Other .....	32.38	
Total Payments .....	\$ 3,536.85	
Balance to Revenue .....	1,463.15	
	\$ 5,000.00	\$ 5,000.00

**Cleaning Drainage Ditches**

## Cr.

Appropriation .....	\$ 3,000.00
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## Dr.

Pay Roll .....	\$ 1,603.11	
Material and Supplies .....	1,327.84	
All Other .....	69.05	
	<hr/>	<hr/>
Total Payments .....	\$ 3,000.00	\$ 3,000.00

**Drainage System**

## Cr.

Balance from 1927 .....		\$ 1,041.55
Appropriation .....		10,000.00

## Dr.

Construction per Contract .....	\$ 9,636.03	
Engineering Fees .....	962.39	
Material and Repairs .....	351.81	
All Other .....	84.77	
	<hr/>	
Total Payments .....	\$ 11,035.00	
Balance to 1929 .....	6.55	
	<hr/>	<hr/>
	\$ 11,041.55	\$ 11,041.55

**Street Lighting**

## Cr.

Appropriation .....		\$ 13,500.00
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## Dr.

Municipal Light Dept. ....	\$ 13,500.00	
	<hr/>	<hr/>
	\$ 13,500.00	\$ 13,500.00

**Board of Public Welfare****Clerical**

## Cr.

Appropriation .....		\$ 352.00
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## Dr.

Leon G. Bent .....	\$ 352.00	
	<hr/>	<hr/>
	\$ 352.00	\$ 352.00

**Board of Public Welfare****Visitor**

## Cr.

Appropriation .....		\$ 400.00
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## Dr.

Helen A. Brown .....	\$ 400.00	
	<hr/>	<hr/>
	\$ 400.00	\$ 400.00

**Board of Public Welfare  
Aid, Board and Care  
Cr.**

Appropriation .....		\$ 10,000.00	
Receipts, Hospital Fund .....		529.55	
Dr.			
Cash and Board .....	\$ 6,050.16		
Rent .....	645.00		
Fuel and Groceries .....	1,461.24		
Hospital and Medical .....	940.55		
Comm. of Mass., Other Cities and Towns .....	938.00		
All Other .....	356.53		
<hr/>			
Total Payments .....	\$ 10,391.48		
Balance to Revenue .....	138.07		
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	\$ 10,529.55	\$ 10,529.55	

**Mothers' Aid  
Cr.**

Appropriation .....		\$ 4,000.00	
Dr.			
Cash .....	\$ 2,749.00		
Fuel and Groceries .....	218.65		
Medical .....	459.85		
<hr/>			
Total Payments .....	\$ 3,427.50		
Balance to Revenue .....	572.50		
<hr/>			
	\$ 4,000.00	\$ 4,000.00	

**Temporary Aid  
Cr.**

Appropriation .....		\$ 2,500.00	
Transfer from Reserve Fund .....		500.00	
Dr.			
Cash .....	\$ 1,855.00		
Rent .....	480.00		
Fuel and Groceries .....	583.74		
Medical .....	49.20		
<hr/>			
Total Payments .....	\$ 2,967.94		
Balance to Revenue .....	32.06		
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	\$ 3,000.00	\$ 3,000.00	

**State Aid**

Cr.

Appropriation .....		\$	300.00
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Dr.

## Cash Payments:

Acct. Civil War .....	\$	102.00
Acct. World War .....		72.00

Total Payments .....	\$	174.00
Balance to Revenue .....		126.00

\$	300.00	\$	300.00
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**Military Aid**

Cr.

Appropriation .....		\$	700.00
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Dr.

## Cash Payments :

Acct. World War .....	\$	663.00
Balance to Revenue .....		17.00

\$	700.00	\$	700.00
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**Soldiers' Relief**

Cr.

Appropriation .....		\$	4,000.00
Refunds .....			35.00
Hospital Fund .....			651.00
Transfer from Reserve Fund .....			1,000.00

Dr.

## Cash Payments:

Acct. Civil War .....	\$	654.00
Acct. Spanish War .....		780.00
Acct. World War .....		2,511.00
Rent, Acct. World War .....		579.75
Fuel, Groceries .....		73.25
Medical and Hospital .....		663.43
Comm. of Mass. ....		437.13
All Other .....		44.30

Total Payments .....	\$	5,742.86
Balance to 1929 .....		56.86

\$	5,742.86	\$	5,742.86
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**SCHOOL DEPARTMENT****General Salaries**

Cr.

Appropriation .....		\$169,500.00
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Dr.

Pay Roll, Supt. Tea. and Clerical .....	\$146,936.05
Medical Inspection .....	1,000.00
School Nurse .....	1,900.00
Attendance Officer .....	500.00
Janitors .....	15,952.36

Total Payments .....	\$166,288.41
Balance to Revenue .....	3,211.59

	<hr/>	<hr/>
	\$169,500.00	\$169,500.00

**General Maintenance**

Cr.

Appropriation .....	\$ 49,650.00
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Dr.

Transportation .....	\$ 5,393.50
Tuition .....	158.57
Books .....	4,856.28
Supplies for Pupils .....	6,191.17
Apparatus for Teaching .....	2,909.06
Administrative Expense .....	2,429.42
Fuel .....	7,722.28
Gas and Electricity .....	3,258.19
Water and Sewer .....	2,265.55
Janitor Supplies .....	2,228.40
Repairs .....	9,754.65
Ashes and Trucking .....	526.50

Total Payments .....	\$ 47,693.57
Less Refund .....	2.00

Net Payments .....	\$ 47,691.57
Balance to Revenue .....	\$ 1,958.43

	<hr/>	<hr/>
	\$ 49,650.00	\$ 49,650.00

**Agricultural Department, Maintenance**

Cr.

Appropriation .....	\$ 500.00
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## Dr.

Books, Etc. ....	\$	56.34		
Total Payments .....	\$	56.34		
Balance to Revenue .....		443.66		
			\$	500.00
			\$	500.00

**Agricultural Department, Salaries**

## Cr.

Appropriation .....			\$	2,737.50
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## Dr.

Pay Roll .....	\$	2,379.34		
Total Payments .....	\$	2,379.34		
Balance to Revenue .....		358.16		
			\$	2,737.50
			\$	2,737.50

**Industrial Tuition**

## Cr.

Appropriation .....			\$	800.00
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## Dr.

City of Boston .....	\$	151.08		
City of Malden .....		4.16		
City of Somerville .....		139.51		
Total Payments .....	\$	294.75		
Balance to Revenue .....		505.25		
			\$	800.00
			\$	800.00

**Public Library Maintenance**

## Cr.

Appropriation .....			\$	3,200.00
Transfer from Special Fund .....				50.00

## Dr.

Books, Periodicals and Binding .....	\$	1,993.41		
Printing and Stationary .....		138.85		
Fuel, Light, Water and Sewer .....		472.44		
Repairs and Furnishings .....		513.21		
All Other Expenses .....		108.42		
Total Payments .....	\$	3,226.33		

Less Refunds .....	4.81	
Net Payments .....	\$ 3,221.52	
Balance to Revenue .....	28.48	
	<hr/>	<hr/>
	\$ 3,250.00	\$ 3,250.00

**Public Library, Salaries**

Cr.

Appropriation .....		\$ 4,230.00
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Dr.

Bertha L. Brown, Librarian .....	\$ 1,450.00	
Grace Abbott, Asst. Librarian .....	1,050.00	
Other Assistants .....	927.66	
W. H. Killam, Janitor .....	780.00	

Total Payments .....	\$ 4,207.66	
Balance to Revenue .....	22.34	

	<hr/>	<hr/>
	\$ 4,230.00	\$ 4,230.00

**PARK DEPARTMENT****Maintenance**

Cr.

Appropriation .....		\$ 2,000.00
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Dr.

Pay Roll .....	\$ 1,539.39	
Telephone .....	8.03	
Repairs .....	120.99	
Supplies .....	209.93	
Insurance .....	27.77	
All Other .....	93.89	

Total Payments .....	\$ 2,000.00	\$ 2,000.00
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**CEMETERY DEPARTMENT****Laurel Hill Cemetery**

Cr.

Appropriation .....		\$ 8,900.00
Cemetery Bequest Fund .....		1,842.28
Geo. F. Buck Fund .....		48.12

Dr.

Pay Roll .....	\$ 8,664.74	
Telephone .....	82.42	
Material and Supplies .....	1,030.20	

Equipment and Repairs .....	391.93	
Auto Expense .....	169.63	
Insurance .....	130.97	
All Other .....	315.96	
	<hr/>	
Total Payments .....	\$ 10,785.85	
Less Refund .....	4.00	
	<hr/>	
	\$ 10,785.85	
Balance to Revenue .....	8.55	
	<hr/>	
Net Payments .....	\$ 10,790.40	\$ 10,790.40

**Forest Glen Cemetery**

Cr.

Balance from 1927 .....		\$ 212.15
Appropriation .....		750.00

Dr.

Pay Roll .....	\$ 378.53
Material and Supplies .....	105.62
All Other .....	25.50

Total Payments .....	\$ 509.65
Less Refund .....	2.00

Net Payments .....	\$ 507.65
Balance to 1929 .....	454.50

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\$ 962.15	\$ 962.15
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**Care of Soldiers' Graves**

Cr.

Appropriation .....		\$ 500.00
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Dr.

Pay Roll .....	\$ 500.00
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\$ 500.00	\$ 500.00
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**WATER DEPARTMENT**

Cr.

Balance from 1927 .....	\$ 4,432.93
Receipts, 1928 .....	53,613.46
Transfer of Premium .....	282.00

## Dr.

Pay Roll .....	\$ 15,459.77
Clerical .....	936.00
Bonds .....	10,000.00
Interest on Bonds .....	2,692.50
Telephones .....	191.22
Insurance .....	848.70
Office Supplies and Printing .....	511.87
Fuel .....	2,039.58
Power .....	2,121.50
Petometer Survey .....	2,200.00
Supplies .....	6,332.61
Tools and Equipment .....	3,454.26
Repairs .....	1,316.61
Auto Equipment and Repairs .....	1,363.62
All Other .....	776.33

Total Payments .....	\$ 50,244.57
Balance to 1929 .....	8,083.82

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\$ 58,328.39    \$ 58,328.39

**WATER MAINS, EXTENSION**

## Cr.

Balance from 1927 .....	\$ 5,299.22
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## Dr.

Pay Roll .....	\$ 981.60
Contract for Labor .....	498.10
Pipe .....	1,501.44
Tools and Supplies .....	93.60
Freight .....	225.24
All Other .....	53.94

Total Payments .....	\$ 3,353.92
Balance to 1929 .....	1,945.30

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\$ 5,299.22    \$ 5,299.22

**MUNICIPAL LIGHT DEPARTMENT**

Cr.

Receipts .....	\$270,092.98
Advanced by Treasurer Bal. Dec. 31, 1928 .....	1,340.17

Dr.

Pay Roll .....	\$ 71,088.43	
Bonds and Notes .....	14,800.00	
Interest on Bonds and Notes .....	4,245.00	
Office and Salesroom Expenses .....	4,114.58	
Current purchased .....	62,552.84	
Maintenance and Operation of Lines .....	34,318.55	
Insurance .....	5,777.31	
Coal .....	789.45	
Rent .....	410.22	
Additions to plant .....	30,866.82	
All Other Payments .....	42,469.95	
	<hr/>	
	\$271,433.15	\$271,433.15

**JUNIOR HIGH SCHOOL BUILDING****Construction and Equipment**

Cr.

Balance from 1927 .....	\$ 776.79
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Dr.

P. G. De Armond & Son .....	\$ 12.19	
Adden & Parker .....	270.00	
	<hr/>	
Total Payments .....	\$ 282.19	
Balance to 1929 .....	494.60	
	<hr/>	
	\$ 776.79	\$ 776.79

**MEMORIAL DAY OBSERVANCE**

Cr.

Appropriation .....	\$ 500.00
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Dr.

Band Hire .....	\$ 165.00
Flowers .....	158.75



Printing .....	19.75		
All Other .....	99.30		
Total Payments .....	\$ 442.80		
Balance to Revenue .....	57.20		
	\$ 500.00	\$	500.00

**Child Welfare Work**

Cr.

Appropriation .....		\$	300.00
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Dr.

Mrs. Bertha Benjamin .....	\$	200.00	
Chas. R. Henderson, M. D. ....		100.00	
	\$	300.00	\$ 300.00

**Middlesex County. Aid to Agriculture**

Cr.

Appropriation .....		\$	100.00
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Dr.

Agricultural Extension Service .....	\$	100.00	
	\$	100.00	\$ 100.00

**Planning Board Expenses**

Cr.

Balance from 1927 .....		\$	192.03
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Dr.

Mass. Fed. of Planning Boards .....	\$	15.00	
Balance to 1929 .....		177.03	
	\$	192.03	\$ 192.03

**Victory House Maintenance**

Cr.

Appropriation .....		\$	500.00
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## Dr.

Steward's Services .....	\$ 170.00	
Fuel .....	329.68	
Balance to Revenue .....	.32	
	<hr/>	
	\$ 500.00	\$ 500.00

**SMITH-HUGHES FUND**

## Cr.

Balance from 1927 .....		\$ 197.98
Receipts, 1927 .....		161.78

## Dr.

Pay Roll Agr. School Dept. ....	\$ 197.98	
Balance to 1929 .....	161.78	
	<hr/>	
	\$ 359.76	\$ 359.76

**MINERAL STREET BRIDGE**

## Cr.

Appropriation .....		\$ 9,000.00
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## Dr.

A. Bartington Acct. Contract .....	\$ 4,250.00	
Morse & Dickinson, Engineering Fees .....	450.00	
	<hr/>	
Total Payments .....	\$ 4,700.00	
Balance to 1929 .....	4,300.00	
	<hr/>	
	\$ 9,000.00	\$ 9,000.00

**WORLD WAR MEMORIAL**

## Cr.

Appropriation .....		\$ 4,069.82
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## Dr.

Balance to 1929 .....	\$ 4,069.82	
	<hr/>	
	\$ 4,069.82	\$ 4,069.82

**LAND DAMAGES****Dead Man's Curve**

## Cr.

Appropriation .....		\$ 200.00
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## Dr.

George D. Putnam .....	\$ 191.98	
Balance to Revenue .....	8.02	
	<hr/>	
	\$ 200.00	\$ 200.00

**LAND DAMAGES****Woburn and West Streets**

## Cr.

Appropriation .....		\$ 50.00
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Dr.

Balance to 1928 .....	\$	50.00	
	\$	50.00	\$ 50.00

**PAINTING STAND PIPE**

Cr.

Appropriation .....		\$	200.00
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Dr.

F. W. Stevens .....	\$	200.00	
	\$	200.00	\$ 200.00

**ACCOUNTING MUNICIPAL LOANS****TEMPORARY LOANS****Anticipation of Revenue**

Outstanding Jan. 1, 1928 .....	\$125,000.00
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**Notes Issued in 1927**

Month	By whom purchased	Rate of disc.	Amt.	
Jan.—Old Colony Corp. ....	3.335	\$	45,000.00	
Mar.—Second Nat'l Bank .....	3.67		120,000.00	
May —Second Nat'l Bank .....	3.95		75,000.00	
Aug.—Second Nat'l Bank .....	4.775		100,000.00	
Dec.—Second Nat'l Bank .....	4.57		125,000.00	
				\$465,000.00
				\$590,000.00

**Notes Paid in 1928**

March .....	\$	75,000.00	
September .....		45,000.00	
November .....		245,000.00	
December .....		100,000.00	
			\$465,000.00

Outstanding Dec. 31, 1928 .....	\$125,000.00
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**WATER DEPARTMENT LOANS**

Outstanding Jan. 1, 1928 .....	\$	70,000.00	
Paid in 1928 .....		\$	10,000.00
Outstanding Dec. 31, 1928 .....			60,000.00
	\$	70,000.00	\$ 70,000.00

**SEWER DEPARTMENT LOANS**

Outstanding Jan. 1, 1928 .....	\$159,000.00	
Paid in 1928 .....		\$ 8,000.00
Outstanding Dec. 31, 1928 .....		151,000.00
	\$159,000.00	\$159,000.00

**MUNICIPAL LIGHT DEPARTMENT LOANS**

Outstanding Jan. 1, 1928 .....	\$ 95,900.00	
Paid in 1928 .....		\$ 14,800.00
Outstanding Dec. 31, 1928 .....		81,100.00
	<hr/>	<hr/>
	\$ 95,900.00	\$ 95,900.00

**MUNICIPAL BUILDING LOANS**

Outstanding Jan. 1, 1928 .....	\$ 20,000.00	
Paid in 1928 .....		\$ 2,000.00
Outstanding Dec. 31, 1928 .....		18,000.00
	<hr/>	<hr/>
	\$ 20,000.00	\$ 20,000.00

**MUNICIPAL AND LIBRARY BUILDING GROUNDS**

Outstanding Jan. 1, 1928 .....	\$ 2,500.00	
Paid in 1928 .....		\$ 500.00
Outstanding Dec. 31, 1928 .....		2,000.00
	<hr/>	<hr/>
	\$ 2,500.00	\$ 2,500.00

**BROWN ESTATE LOANS**

Outstanding Jan. 1, 1928 .....	\$ 2,500.00	
Outstanding Dec. 31, 1928 .....		2,000.00
Paid in 1928 .....		\$ 500.00
	<hr/>	<hr/>
	\$ 2,500.00	\$ 2,500.00

**SCHOOL BUILDING LOANS**

Outstanding Jan. 1, 1928 .....	\$ 4,000.00	
Paid in 1928 .....		\$ 1,000.00
Outstanding Dec. 31, 1928 .....		3,000.00
	<hr/>	<hr/>
	\$ 4,000.00	\$ 4,000.00

**SCHOOL BUILDING LOANS****Junior High School**

Outstanding Jan. 1, 1928 .....	\$296,000.00	
Paid in 1928 .....		\$ 34,000.00
Outstanding Dec. 31, 1928 .....		262,000.00
	<hr/>	<hr/>
	\$296,000.00	\$296,000.00

**JUNIOR HIGH SCHOOL****Emergency Loan**

Outstanding Jan. 1, 1928 .....	\$ 18,000.00	
Paid in 1928 .....		\$ 18,000.00
	<hr/>	<hr/>
	\$ 18,000.00	\$ 18,000.00

**FUNDED DEBT**  
**Balancing Account**

Total Debt, Jan. 1, 1928 .....	\$667,900.00	
<b>Paid in 1928</b>		
Sewer Dept. Loans .....		\$ 8,000.00
Water Dept. Loans .....		10,000.00
Light Dept. Loans .....		14,800.00
Municipal Bldg. Loans .....		2,000.00
Mun. Bldg. Loans and Library Ground Loans		500.00
Brown Estate Loans .....		500.00
School Building Loans .....		35,000.00
School Building Emergency Loan .....		18,000.00
		<hr/>
Total Payments 1928 .....		\$ 88,800.00
Total Debt Dec. 31, 1928 .....		579,100.00
		<hr/>
	\$667,900.00	\$667,900.00

**FUNDED DEBT MATURING IN 1928**

Appropriation, Tax Levy .....	\$ 41,000.00	
Appropriation from Excess and Deficiency Acct.	15,000.00	
Transfer from Water Dept. ....	10,000.00	
Transfer from Light Dept. ....	14,800.00	
Transfer from Sewer Dept. ....	8,000.00	
Payment of Loans due in 1928:		
Sewer Dept. ....	\$ 8,000.00	
Water Dept. ....	10,000.00	
Municipal Light Dept. ....	14,800.00	
Municipal Building .....	2,000.00	
Brown Estate .....	500.00	
Municipal Building and Library .....	500.00	
School Buildings .....	35,000.00	
School Building Emergency Loan .....	18,000.00	
		<hr/>
	\$ 88,800.00	\$ 88,800.00

**FUNDED DEBT MATURING IN 1929**

Sewer Dept. Loans .....	\$ 8,000.00	
Water Dept. Loans .....	10,000.00	
Light Dept. Loans .....	13,800.00	
Municipal Building Loans .....	2,000.00	
Municipal and Library Building Loans .....	500.00	
Brown Estate Loans .....	500.00	
School Building Loans .....	35,000.00	
		<hr/>
	\$ 69,800.00	



TOWN DEBT			DETAIL OF PAYMENT BY YEARS						
Year	Sewer Dept.	Water Dept.	Mun. Light Dept.	Mun. Bldg.	School Buildings	Brown Lot	Lib. and Mun. Bldg.	Grounds	Totals
1929	\$ 8,000.00	\$10,000.00	\$13,800.00	\$ 2,000.00	\$35,000.00	\$ 500.00	\$ 500.00		\$69,800.00
1930	9,000.00	10,000.00	12,800.00	2,000.00	35,000.00	500.00	500.00		69,800.00
1931	9,000.00	5,000.00	11,000.00	2,000.00	35,000.00	500.00	500.00		63,000.00
1932	9,000.00	5,000.00	11,000.00	2,000.00	34,000.00	500.00	500.00		62,000.00
1933	9,000.00	5,000.00	8,000.00	2,000.00	34,000.00	.....	.....		58,000.00
1934	9,000.00	5,000.00	6,000.00	2,000.00	34,000.00	.....	.....		56,000.00
1935	8,000.00	5,000.00	6,000.00	2,000.00	34,000.00	.....	.....		55,000.00
1936	8,000.00	3,000.00	4,000.00	2,000.00	24,000.00	.....	.....		41,000.00
1937	8,000.00	2,000.00	2,500.00	2,000.00	.....	.....	.....		14,500.00
1938	8,000.00	2,000.00	2,500.00	.....	.....	.....	.....		12,500.00
1939	8,000.00	2,000.00	2,500.00	.....	.....	.....	.....		12,500.00
1940	8,000.00	2,000.00	1,000.00	.....	.....	.....	.....		11,000.00
1941	7,000.00	2,000.00	.....	.....	.....	.....	.....		9,000.00
1942	7,000.00	2,000.00	.....	.....	.....	.....	.....		9,000.00
1943	7,000.00	.....	.....	.....	.....	.....	.....		7,000.00
1944	7,000.00	.....	.....	.....	.....	.....	.....		7,000.00
1945	6,000.00	.....	.....	.....	.....	.....	.....		6,000.00
1946	6,000.00	.....	.....	.....	.....	.....	.....		6,000.00
1947	6,000.00	.....	.....	.....	.....	.....	.....		6,000.00
1948	2,000.00	.....	.....	.....	.....	.....	.....		2,000.00
1949	2,000.00	.....	.....	.....	.....	.....	.....		2,000.00
Totals	\$151,000.00	\$60,000.00	\$81,100.00	\$18,000.00	\$265,000.00	\$ 2,000.00	\$ 2,000.00		\$579,100.00

**BORROWING CAPACITY**

	Total Valuation	Abatement Valuation	Net Valuation
1926	\$ 13,819,558.00	\$ 76,320.00	\$ 13,743,238.00
1927	14,379,299.00	79,346.00	14,299,953.00
1928	15,040,325.00	59,730.00	14,980,595.00
			<hr/>
Net Valuation for 3 years			\$ 43,023,786.00
Average Valuation for 3 years			14,341,262.00
3% of average valuation			430,237.86
Total Funded Debt .....		\$579,100.00	
Less Exempted Loans:			
(Outside Debt Limit)			
Water Department .....	\$ 60,000.00		
Municipal Light Department ..	81,100.00		
Sewer Department .....	151,000.00		
School Building .....	59,000.00		
	<hr/>	\$351,100.00	\$228,000.00
			<hr/>
Borrowing Capacity, Dec. 31, 1928..			\$202,237.86

**ACCOUNTING TRUST FUNDS****Balancing Account**

Balance Jan. 1, 1928 .....	\$194,953.41	
Sundry Parties, Cemetery Bequests .....	2,607.00	
Interest and Income .....	8,943.73	
Transferred for Hospital Care .....		\$ 1,180.55
Transferred for Cemetery Maint. ....		1,842.12
Transferred for Cemetery Signs .....		48.12
Transferred for Scholarships .....		100.00
Balance Dec. 31, 1928 .....		203,333.19
		<hr/>
	\$206,504.14	\$206,504.14

**CEMETERY BEQUEST FUND****Cr.**

Balance Jan. 1, 1928 .....	\$ 43,427.77
Bequests, 1928 .....	2,607.00
Interest and Income, 1928 .....	2,147.23

**Dr.**

Transferred for care of endowed lots .....	\$ 1,842.28	
Balance Dec. 31, 1928 .....	46,339.72	
	<hr/>	<hr/>
	\$ 48,182.00	\$ 48,182.00

**GEORGE F. BUCK FUND**

Cr.

Balance Jan. 1, 1928 .....	\$	83.22
Interest, 1928 .....		3.78

Dr.

Transferred for Cemetery Signs .....	\$	48.12
Balance Dec. 31, 1928 .....		38.88
	\$	87.00
	\$	87.00

**READING HIGH SCHOOL SCHOLARSHIP FUND**

Cr.

Balance Jan. 1, 1928 .....	\$	5,094.27
Interest .....		243.39

Dr.

Transferred for Scholarships .....	\$	100.00
Balance Dec. 31, 1928 .....		5,237.66
	\$5,337.66	\$ 5,337.66

**HOSPITAL FUND**

Cr.

Balance Jan 1, 1928 .....	\$146,348.15
Interest and Income .....	6,549.33

Dr.

Transferred for Hospital Care .....	\$ 1,180.55
Balance Dec. 31, 1928 .....	151,716.93
	\$152,897.48
	\$152,897.48

**STATEMENT OF INVESTED FUNDS****Cemetery Bequest Fund**

Balance Dec. 31, 1928 .....	\$ 46,339.72
-----------------------------	--------------

## Investments Listed at Par:

U. S. Liberty Bonds, 4th 4½s, 1933-1938 ..	\$ 12,000.00
N. E. Tel. & Tel. 1st Mort., 5's Series A 1952 .....	5,000.00
No. Pac. Ry. Ref. & Imp., 6's Series B 2047 .....	5,000.00
N. Y. C. R. R. Ref. Imp., 5's Series C 2013 .....	4,000.00
Andover Savings Bank .....	3,230.64
Cambridge Savings Bank .....	3,151.88
Essex Savings Bank, Lawrence .....	3,230.64
Mech. Savings Bank, Reading .....	10,726.56

\$ 46,339.72	\$ 46,339.72
--------------	--------------

**READING HIGH SCHOOL SCHOLARSHIP FUND**

Balance Dec. 31, 1928 .....		\$ 5,237.66
Investments:		
Andover Savings Bank .....	\$ 1,000.00	
Charlestown Five Cent Savings Bank .....	1,000.00	
Essex Savings Bank, Lawrence .....	1,000.00	
First Nat'l Bank, Reading, Sav. Dept. ....	2,237.66	
		<hr/>
	\$ 5,237.66	\$ 5,237.66

**GEORGE F. BUCK FUND**

Balance Dec. 31, 1928 .....		\$ 38.83
Investment:		
Mechanics Savings Bank .....	\$ 38.85	
		<hr/>
	\$ 38.88	\$ 38.88

**HOSPITAL FUND**

Balance Dec. 31, 1928 .....		\$151,716.93
Investments, Securities listed at Par or Less:		
\$5,000 Am. Tel. — Tel. Col. Tr. 5's, 1946 ..	\$ 5,000.00	
\$5,000 Bos. & Albany R. R. Imp. of 1908, 4's, 1933 .....	4,798.00	
\$5,000 Boston Elevated, 5's, 1937 .....	5,000.00	
\$5,000 Cent. Hudson Gas and Elec. 5's, 1957	5,000.00	
\$5,000 Chicago B. & Q. R. R. Co., Ill., Div. "M" 3½'s, 1949 .....	4,347.50	
\$2,000 Conn. Lt. & Power Co., 1st Ref. S. F. 7's, 1951 .....	2,000.00	
\$5,000 Conn. Lt. & Power Co., 1st Ref. S. F. 4½'s, 1956 .....	4,787.50	
\$5,000 Consumers' Power Co., 5's, 1936 ...	5,000.00	
\$5,000 Consolidated Gas of Baltimore Gen. M. 4½'s, 1954 .....	4,922.50	
\$5,000 Ill. Cent. R. R. Co., Tr. 4's, 1952 ..	4,437.50	
\$5,000 Ill. Cent. R. R. Co., St. Louis Div. 1st. M 3's, 1951 .....	3,800.00	
\$5,000 Kansas City Power & Lt. 4½'s, 1957	5,000.00	





Cash in Banks and Office.....		\$ 44,429.58	Temporary Loans, Anticipation of		\$125,000.00
Taxes and Assessments Receivable			of Revenue .....		
Taxes, 1927 .....	199.57		Overlays Reserved for Abate-ments		
Taxes, 1928 .....	155,674.26		For 1927 Taxes .....	24.01	
Moth Assessments, 1928 .....	376.25		For 1928 Taxes .....	1,563.51	
Sidewalk Assessments, 1928 ..	113.81				
Sewer Assessments and In-terest .....	1,241.28		Overlay Reserve Fund .....		\$ 1,587.52
Sewer Rentals .....	307.50		Moth Assessments Revenue .....		\$ 950.24
			Sidewalk Assessments Revenue .....		376.25
Departmental Accounts Receivable		\$157,912.67	Sewer Assessments Revenue .....		113.81
Sewer Ass't Appor'd Rec. 1929-1936		\$ 16,358.71	Sewer Rentals Revenue .....		1,241.28
Water Dept. Accounts Rec. ....		5,787.48	Sewer Assessments due 1929-1936		307.50
Municipal Light Dept. Accounts Receivable .....		357.46	Departmental Accts. Rec. Revenue		57 7.48
Tax Titles Held by Town .....			Water Dept. Accts. Rec. Revenue		16,358.71
Municipal Light Dept. Advanced ..			Mun. Light Dept. Accts. Rec. Rev.		357.46
Municipal Light Dept. Cash .....		34,360.81	Water Dept. Maintenance Acct. ..		34,360.81
Water Dept. Cash .....		6,536.08	Sewer Depts. Maint. and Const.		8,083.82
Public Library Cash .....		9,340.17	Account .....		13,276.00
Overdrafts forward to 1929		250.00	Sewer Dept. House Conn. Account		200.00
Soldiers' Relief .....	56.86		Cemetery Reserve Fund .....		4,040.22
Police Dept. Spec. Officers ....	\$ 115.24		Smith-Hughes Fund .....		161.78
			Appropriation Balances forward to 1929:		
			Junior High School Building ..	\$ 494.60	
			Drainage System Survey .....	1,000.00	
			Drainage System Const. ....	6.55	
			Block System Survey .....	47.00	

Mineral Street Bridge .....	\$ 4,300.00
Land Damages .....	50.00
Forest Glen Cemetery .....	454.50
Water Mains Extension .....	1,945.30
Planning Board Expenses .....	177.03

\$ 8,474.98

Sale Land .....	\$ 748.25
Public Library Special Account .....	22.60
Tax Titles Revenue .....	6,536.08
World War Memorial .....	4,069.82
Excess and Deficiency Account .....	43,565.45

\$275,620.06

# **DEBT ACCOUNTS**

Net Funded Debt .....

\$579,100.00

Sewer Construction Loans .....	\$151,000.00
Water Department Loans .....	60,000.00
Municipal Light Dept. Loans .....	81,100.00
Municipal Building Loans .....	18,000.00
Mun. Building and Library Loans .....	2,000.00
Brown Estate Loans .....	2,000.00
School Building Loans .....	265,000.00

\$579,100.00

# **TRUST FUNDS**

Trust Funds, Cash and Securities ..

203,333.19

Cemetery Bequest Fund .....	\$ 46,339.72
George F. Buck Fund .....	38.88
Hospital Fund .....	151,716.93
Reading High School Scholarship Fund .....	5,237.66

\$203,333.19

\$203,333.19

## GRACE V. VIAL. COLLECTOR

Dr.

Amount uncollected, Dec. 31, 1927, account 1925 Tax .....	\$ 521.10
" uncollected, Dec. 31, 1927, account 1926 Tax .....	170.62
" Interest collected, account 1926 Tax .....	6.34
" uncollected, Dec. 31, 1927, account 1927 Tax .....	155,951.51
" Interest collected, account 1927 Tax .....	5,517.57
" Poll Tax Warrant, account 1927 .....	2.00
" uncollected, Dec. 31, 1927, account 1927 Sewer ..	1,071.73
" Interest collected, account 1927 Sewer .....	30.70
" Poll Tax Warrants, 1928 .....	5,654.00
" General Tax Warrant, Sept. 1928 .....	503,752.28
" Moth Tax, Sept. 1928 .....	967.00
" Sidewalk Assessment, Sept. 1928 .....	177.71
" Sewer Commitment for 1928 .....	2,580.57
" General Tax Warrant, Dec. 1928 .....	107.20
" Interest collected, account 1928 Tax .....	305.77
" Interest collected, account 1928 Sewer .....	.54
" uncollected Sewer rentals, Dec. 31, 1927 .....	119.40
" Sewer Rentals, Jan 1, 1928 .....	4,110.60
" Sewer Rentals, July 1, 1928 .....	4,378.20
" Interest collected, account Sewer Rentals .....	12.02
" Advanced payments on apportioned Sewer and interest .....	235.14
" Sewer Betterment Sept. 7, 1928 .....	510.58
" Costs and charges .....	644.19
" Received account redemption property .....	746.45

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 \$687,573.22

## IN ACCOUNT WITH TOWN OF READING

Cr.

Amount Paid Treasurer account 1925 Tax .....	\$ 171.00
" abated account 1925 Tax .....	350.10
" paid Treasurer account 1926 Tax .....	50.48
" abated account 1926 Tax .....	126.48
" paid Treasurer account 1927 Tax and Interest ....	156,390.34
" abated account 1927 Tax .....	899.87
" transferred to tax title account 1927 Tax .....	3,981.30
" unpaid account 1927 Tax .....	199.57
" paid Treasurer account 1927 Sewer .....	1,081.57
" transferred to tax title account 1927 Sewer .....	20.86
" paid Treasurer account 1928 Tax and Interest ....	349,415.38
" abated account 1928 Tax .....	1,924.92
" transferred to tax title account 1928 Tax .....	3,573.15
" unpaid account 1928 Tax .....	156,050.51
" paid Treasurer account 1928 Sewer .....	1,319.94
" transferred to tax title account 1928 Sewer .....	19.89
" unpaid account 1928 Sewer .....	1,241.28
" paid Treasurer account 1927 Sewer Rentals and Interest .....	109.40
" transferred to tax title account 1927 Sewer Rentals	6.00
" unpaid account 1927 Sewer Rentals .....	8.40
" paid Treasurer account 1928 Sewer Rentals and Interest .....	8,173.92
" abated account 1928 Sewer Rentals .....	11.70
" transferred to tax title account 1928 Sewer Rentals	11.70
" unpaid account 1928 Sewer Rentals .....	299.10
" paid Treasurer account advanced payments on Sewer and Interest .....	235.14
" transferred to deferred payments Sewer Betterment	455.18
" abated account Sewer Betterment .....	55.40
" paid Treasurer account costs and charges .....	577.19
" paid Constable account costs and charges .....	67.00
" Treasurer account redemption property .....	746.45
	<hr/>
	\$687,573.22

GRACE V. VIALI, Collector of Taxes.

Reading, Mass., Dec. 31, 1928

Approved: Leon G. Bent, Town Accountant.

## REPORT OF TREASURER

### For the Year Ended December 31, 1928

The transactions in the General Cash Account, in summary form, were as follows:

Balance January 1, 1928 .....	\$ 22,849.59
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Receipts:

Tax Collector .....	518,270.81
Municipal Light Department .....	270,092.98
Water Department .....	53,613.46
Sewer Department .....	1,822.66
School Department .....	11,381.59
Cemetery Department .....	8,707.02
Tree Warden and Moth Department .....	1,974.00
Other Department Receipts .....	11,761.51
Interest on Deposits .....	1,672.93
Temporary Loans, Anticipation of Revenue	465,000.00
Accrued Interest .....	158.68
Trust Funds, Income .....	6,168.50
Trust Funds, Transfers .....	5,513.23
Sales of Property, Taxes, Interest and Costs	10,576.14
Commonwealth of Massachusetts, Taxes ..	67,110.47
Miscellaneous Receipts .....	5,771.69

Total Receipts .....	\$1,439,595.67
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Disbursements:

Temporary Loans .....	465,000.00
Bonds and Notes, Funded Debt .....	88,800.00
Interest on Funded Debt .....	27,164.41
Discount on Notes .....	7,256.01
State Taxes and Assessments .....	34,499.64
County Tax .....	21,112.14
Other Disbursements .....	774,183.48

Total Disbursements .....	\$ 1,418,015.68
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Balance December 31, 1928 .....	\$ 44,429.58
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### FUNDED DEBT

Outstanding January 1, 1928 .....	\$667,900.00
Bonds and Notes Paid in 1928 .....	\$ 88,800.00
Outstanding December 31, 1928 .....	579,100.00
	\$667,900.00



## NOTES ISSUED IN ANTICIPATION OF REVENUE

Outstanding January 1, 1928 .....	\$125,000.00	
Notes Issued in 1928 .....	465,000.00	
	<hr/>	\$590,000.00
Notes Paid in 1928 .....	\$465,000.00	
Outstanding December 31, 1928 .....	125,000.00	
	<hr/>	\$590,000.00

A more detailed statement of receipts and disbursements, and statements of the Trust Funds will be found in the report of the Town Accountant.

PRESTON F. NICHOLS, Treasurer.

## REPORT OF THE PLANNING BOARD

To the Honorable, Board of Selectmen, Town of Reading, Mass.

Gentlemen:

The Planning Board submits the following report for the year 1928.

During the year Mr. Harry C. Barr resigned from the Board; Mr. Leland W. Kingman was appointed by the Board of Selectmen to fill the vacancy. Near the end of the year Mr. W. Franklin Burnham resigned, his place remaining unfilled.

Several meetings were held during the year, by the Board separately and in joint meeting with the Citizens' Committee appointed at the annual Town meeting, to consider suggested changes in the Zoning Laws; and one public hearing was held on the subject before both bodies. The results of these meetings, in the form of recommendations to the Town, will be presented to the voters at the next annual Town meeting.

In 1927 the Board spent much time and effort upon a scheme for the improvement of the Square and Common and presented recommendations to the annual Town meeting. From the attitude of the voters it was evident that the Town was not receptive to these recommendations and the subject has not been considered further. It is a question of increasing importance to the Town which should be seriously discussed and some course of constructive action determined.

In the report of 1927 the Board made recommendations concerning the appointment of a Park Commission; the acquisition or growth of a Town forest; the purchase of Birch Meadow and the utilization of a part of it as a supervised Town dump; the control of land development; the construction of sidewalks; the need of a new railroad station; and the solution of grade crossing evils. No action upon these matters has been taken by the Town.

Conditions near the railroad station and at the Green Street crossing have become notably worse during the past year. Due to the increase in the length of some of the local trains to Boston, passengers are caused to board the trains between the end of the regular platform and the head of the train which extends in some cases two or three car lengths beyond the crossing. It appears to the Planning Board that this is a dangerous condition which may result in a serious accident. The Board recommends that the proper Town officials confer with the Railroad Company in an endeavor to remedy the condition.

The problems involved in all these subjects are closely related to the interests of every citizen of the Town and if not considered in time and with intelligence, will, in some cases at least, become the source of needless expense in the future.

W. FRANKLIN BURNHAM, Chairman.  
HARRIETTE P. LEUCHTMAN, Secretary.  
FREDERICK E. BOYES,  
LELAND W. KINGMAN,  
WINTHROP D. PARKER,  
Planning Board of the Town of Reading.

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## REPORT OF SEALER OF WEIGHTS AND MEASURERS

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To the Honorable, Board of Selectmen, Town of Reading,  
Gentlemen:

The following is my report of the work completed by the Department of Weights and Measures for the year 1928.

All scales, weights, and measures used for buying and selling have been tested and either adjusted and sealed or condemned. The gasoline pumps have also been tested and sealed if correct or condemned if found to be wrong.

Several inspections of package goods and varied commodities as put up for sale to the public were re-weighed to see if the proper amount was being given. Pedlers' licenses, junk and ice scales were also inspected at different times after sealing to see if they were in good condition.

Following is a detailed account of the work completed by this department for the year 1928.

Yours respectfully,

CARL M. SMITH,

Sealer.

**Work Performed from December 1, 1927, to November 30, 1928, inclusive**

**1. Scales**

	Adjusted	Sealed	Condemned
Platform, over 5000 lbs.	2	4	0
Platform, 100 to 5000 lbs.	8	17	0
Counter, under 100 lbs.	12	41	0
Spring, under 100 lbs.	16	38	0
Computing, 100 to 5000 lbs.	10	38	0
Personal weighing	0	1	0
Prescription	0	2	0
<b>2. Weights</b>			
Avoirdupois	1	178	1
Apothecary	0	22	0
Metric	0	12	0
<b>3. Volumetric Measures</b>			
Liquid Measures	11	0	1
<b>4. Automatic Liquid Measuring Devices</b>			
Gasoline Pumps	0	49	0
Measures, (stops on pumps)	86	260	0
	<hr/> 135	<hr/> 673	<hr/> 2

**Trial Weighings and Measurements of Commodities Sold or Put up For Sale**

Commodity	Total			
	Number	Number	Incorrect	
	Tested	Correct	Under	Over
Bread	42	22	4	16
Butter	20	17	1	2
Coal (in paper bags)	12	8	1	3
Dry Commodities	68	48	12	8
Flour	12	10	2	0
Fruits & Vegetables	24	20	1	3
Ice	12	6	2	4
Meats & Provisions	18	16	1	1
	<hr/> 208	<hr/> 147	<hr/> 24	<hr/> 37

**Summary of Inspections**

Pedlers' licenses, 4.  
 Labels on bread, 8.  
 Clinical thermometers, 22.  
 Milk Jars, 24.  
 Ice-scales, 6.  
 Junk-scales, 3.  
 Retests of gasoline devices after sealing, 10.

## REPORT OF MILK INSPECTOR

---

To the Honorable, Board of Health, Town of Reading.  
Gentlemen:

The inspection of the local milk supply and the conditions under which it has been produced has varied very little from that of previous years, that is, it has consisted of seeing that the milk has been kept within the legal standard set by the state and in seeing that the conditions under which it has been produced are sanitary. Fortunately this year the milk supply was not subject to any contagious disease contamination.

I can report at this time that the quality of the local milk supply is well within the legal standards of the state and that the conditions under which it is being produced are very satisfactory.

Yours respectfully,

CARL M. SMITH,  
Inspector.

## REPORT OF INSPECTOR OF ANIMALS

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Town of Reading, February 28, 1929.

To the Honorable, Board of Selectmen:

At this time I wish to submit my report as Inspector of Animals for the year ending January 1, 1929.

The number of cattle inspected 252.

The number of sheep inspected 2.

The number of goats inspected 2.

The number of swine inspected 100.

The premises where the above live stock was kept were inspected also, and found satisfactory in almost every instance. Where unsatisfactory conditions were found, suggestions were made for improvement and later inspection proved the premises in better condition.

Our supply of local milk should compare favorably with that of any community. We can boast of one herd which is tubercular-proof, having passed two tests with no disease.

Rabies has been prevalent during the year and several persons have been obliged to take the anti-rabic treatment as a preventative measure after being bitten by dogs.

At this time, may I urge every possible care on the part of persons handling strange dogs, and the inoculation of dogs whenever possible. Little prevention will save a lot of suffering for persons and animals.

CALVERT H. PLAYDON,  
Inspector of Animals.

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